

cc: Don Armstrong
450 S. Federal
Riverton, WY 82501

Book
M-6-38-78

PERMIT TO CONSTRUCT

☐ New
☐ Renewal
☒ Modified

Permit No. 79-351

Paradise Valley Utility District
(Name of Facility)

This permit hereby authorizes the applicant:

Paradise Valley Water & Sewer District
(Last) (First) (Middle)

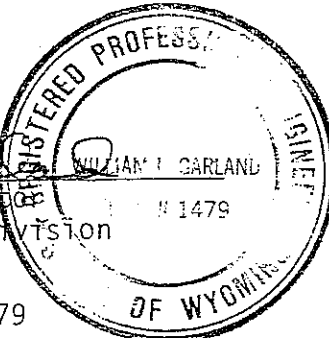
109 Marigold
(Street or P.O. Box)

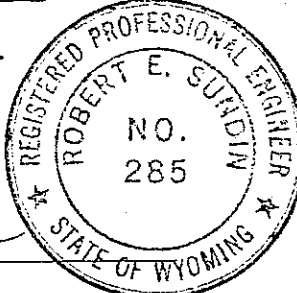
Casper, Natrona, WY 82601
(City) (County) (State)

to construct, install, or modify a stabilization pond and mechanical treatment
facility located in Sec. 14, T33N, R80W
(Legal Description)

in the County of Natrona, in the State of
Wyoming. This permit shall be effective for a period of two (2) years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William I. Garland
Administrator
Water Quality Division
1479


Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality


June 27, 1979

Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

This permit does not supercede the requirements for obtaining a Septic Tank Permit from Natrona County Health Department.

PERMIT TO CONSTRUCT

☒ New
☐ Renewal
☐ Modified

Permit No. 79-352R

HUCKLEBERRY HOT SPRINGS CAMPGROUND IMPROVEMENTS
(Name of Facility)

This permit hereby authorizes the applicant:

RHODES DALE
(Last) (First) (Middle)

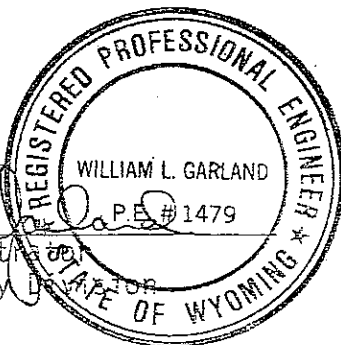
P. O. BOX 1049
(Street or P.O. Box)

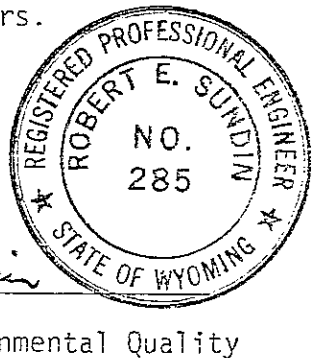
JACKSON WY 83001
(City) (County) (State)

to construct, install, or modify a septic tank - leach field
facility located in an unsurveyed section of the John D. Rockefeller Jr.
Memorial Parkway (Legal Description)

in the County of TETON, in the State of
Wyoming. This permit shall be effective for a period of TWO years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division


Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality


July 9, 1979

Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
933 MAIN STREET,
LANDER, WYOMING, 82520.
(307) 332-3144



PROJECT: Huckleberry Hot Springs Campground Improvements

ENGINEER: Albert L. Nelson
P. O. Box 1141
Jackson, WY 83001
ATTN: Robert Farnsworth

OWNER: Dale Rhodes
P. O. Box 1049
Jackson, WY 83001

WATER QUALITY DIVISION REFERENCE NUMBER: 79-352

REVIEWING ENGINEER: Rick Engelmann

A handwritten signature in cursive script, appearing to read "Rick Engelmann".

DATE OF REVIEW: June 26, 1979

ACTION: NOT AUTHORIZED.

COMMENTS:

- (1) Both inlet and outlet baffles should extend to 0.4 D below the liquid level.
- (2) The ends of the two leach fields should be tied together.
- (3) Please provide specifications for installation of the nonperforated pipe and the septic tank, and specify the leach field gravel sizes.

PERMIT TO CONSTRUCT

M to L
10-30-79

- ☒ New
☐ Renewal
☐ Modified

Permit No. 79-353RR

WYO-BEN Lucerne, Temporary Waste Collection
(Name of Facility)

This permit hereby authorizes the applicant:

WYO-BEN, Inc.
(Last) (First) (Middle)

P.O. Box 1979
(Street or P.O. Box)

Billings, Montana 59103
(City) (County) (State)

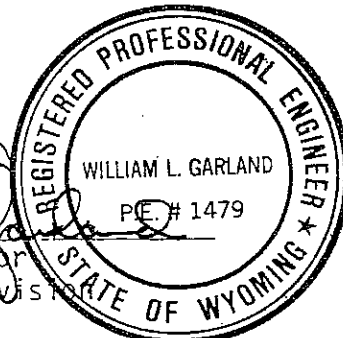
ATTN: Richard K. Brown

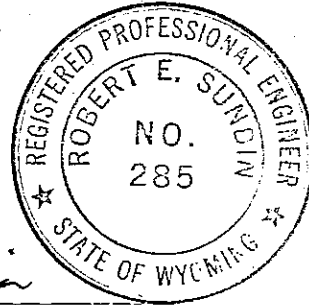
to construct, install, or modify a holding tank

facility located in Sec. 32, T. 44 N., R. 94 W.
(Legal Description)

in the County of Hot Springs, in the State of
Wyoming. This permit shall be effective for a period of two years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division


Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality


October 23, 1979
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

Chapman

REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
933 MAIN STREET,
LANDER, WYOMING, 82520.
(307) 332-3144

PROJECT: WYO-BEN Lucerne, Temporary Waste Collection System

ENGINEER: Kent D. Brewer
2020 Grand Avenue
Billings, MT 59102

OWNER: WYO-BEN, Inc.
P. O. Box 1979
Billings, MT 59103
Attention: Dick Brown

WATER QUALITY DIVISION REFERENCE NUMBER: 79-353R

REVIEWING ENGINEER: Rick Engelmann

DATE OF REVIEW: September 11, 1979

ACTION: NOT AUTHORIZED.

COMMENTS:

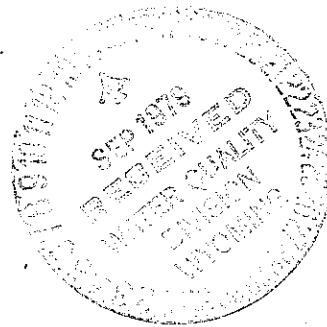
Dear Dick:

We are still awaiting some type of written commitment from a local sewage treatment facility which states that they will accept your facility's pumped waste. Since we talked about this over a month ago, I am surprised that we have not yet heard something from you. The commitment is needed for approval.

Sincerely,

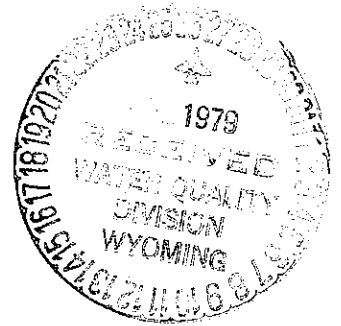


Rick Engelmann
District II Engineer



REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
933 MAIN STREET,
LANDER, WYOMING, 82520.
(307) 332-3144



PROJECT: WYO-BEN Lucerne, Temporary Waste Collection System

ENGINEER: Kent D. Brewer
2020 Grand Ave.
Billings, MT 59102

OWNER: WYO-BEN, Inc.
P. O. Box 1979
Billings, MT 59103
ATTN: Dick Brown

WATER QUALITY DIVISION REFERENCE NUMBER: 79-353

REVIEWING ENGINEER: Rick Engelmann

DATE OF REVIEW: July 19, 1979

ACTION: NOT AUTHORIZED.

COMMENTS:

1. The plans show a "leaching tank" which I believe is similar to a leaching pit. If you are having problems with a tight soil, I don't believe this is the answer. For soils with low percolation rates a seepage pit can be worse than a standard trenched leach field. See Enclosed.

2. Please provide the following:

- a. A short design outline that includes an estimate of sewage flow (based on trailer use and number of people), basis for septic tank sizing and disposal field design, a summary of percolation test results, and a description of the soil profile in the disposal area. Note: we follow PHS Pub. 526 in designs.
- b. More complete material and installation spec.s: fittings, method of making pipe joints, slope of sewer lines, pipe installation (bedding & backfill). I am not looking for anything elaborate here, just a short, concise summary.

THE STATE



OF WYOMING

ED HERSCHLER
GOVERNOR

A-1765-79-1

Department of Environmental Quality
Water Quality Division

933 MAIN

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

January 23, 1981

Mr. Ted R. Jorgensen
P.O. Box 816
Afton, Wyoming 83110

Re: Westview Village Apartments
DEQ Ref. No. 79-354 RR

Dear Mr. Jorgensen:

This office has reviewed the "as built" plans of the septic tank-leach field systems installed for Westview Village Apartments. The plans, as submitted, do appear to meet minimum design standards as defined by the State of Wyoming. A Permit to Construct cannot be issued because the facilities have already been constructed.

Please be advised that before the construction of a wastewater disposal system can take place, a Permit to Construct must first be issued as stated in Chapter III of the Wyoming Water Quality Rules and Regulations. If, in the future, you become involved in a similar construction, it will be expected that you obtain a Permit to Construct before any construction takes place.

This office considers this matter closed.

Sincerely,

A handwritten signature in cursive script that reads "Francis LaBarge".

Francis LaBarge
Water Quality Engineer
Southwest District

FL:nb

cc: Cheyenne DEQ/WQD
Ann DeHoff
Ross Turner
Fred Landy

REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
933 MAIN STREET,
LANDER, WYOMING, 82520.
(307) 332-3144



PROJECT: WESTVIEW VILLAGE APARTMENTS

ENGINEER: Ross M. Turner
P. O. Box 808
Afton, Wyoming 83110

OWNER: Ted R. Jorgensen
P. O. Box 816
Afton, Wyoming 83110

WATER QUALITY DIVISION REFERENCE NUMBER: 79-354

REVIEWING ENGINEER: Rick Engelmann

DATE OF REVIEW: June 26, 1979

ACTION: NOT AUTHORIZED.

COMMENTS:

1. The drawings must be signed or stamped by the design engineer.
2. In the future, submit three copies of all commercial (engineer designed) application materials. On approval, one copy goes to the Engineer, one is sent to our permanent records in Cheyenne, and one is kept in the Lander office.
3. Please show dimensions of the leach field, and a cross-section of a leach field trench showing gravel depths, widths, etc. In addition, completely dimension the plan sheet, showing distances from septic tanks to building, septic tanks to leach field, etc.
4. Please provide written specifications for the installation of the septic tank and the pipes. These can be taken out of our Chapter III Regulations, Appendix "B".

File
7-19-79

PERMIT TO CONSTRUCT

☒ New

Permit No. 79-355

☐ Renewal

☐ Modified

LANDER WATER TREATMENT PLANT SEPTIC SYSTEM
(Name of Facility)

This permit hereby authorizes the applicant:

CITY OF LANDER
(Last) (First) (Middle)

181 S. FOURTH
(Street or P.O. Box)

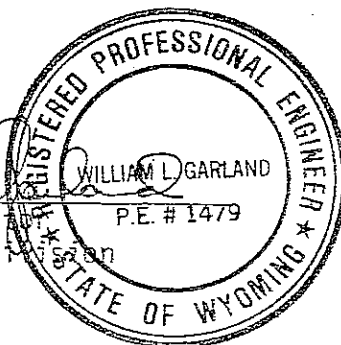
LANDER WY 82520
(City) (County) (State)

to construct, install, or modify a septic tank -leachfield
facility located in Sec. 3 and 4, T. 32 N, R. 100 W.
(Legal Description)

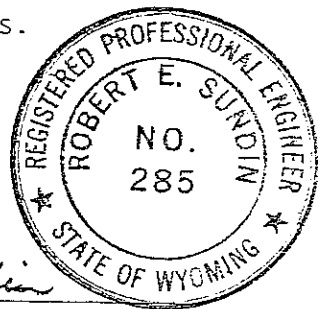
in the County of FREMONT, in the State of
Wyoming. This permit shall be effective for a period of TWO years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrative
Water Quality Division
P.E. #1479



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



July 9, 1979
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

cc: Nelson Engineering
P. O. Box 1599
Jackson, WY 83001
ATTN: Paul Allison

cc: Robert Ablondi
Teton County Planning Commi.
Teton Co. Courthouse
Jackson, WY 83001

PERMIT TO CONSTRUCT.

☒ New
☐ Renewal
☐ Modified

Permit No. 79-356RR

RIVERMEADOW SUBDIVISION WATER SYSTEM IMPROVEMENTS
(Name of Facility)

This permit hereby authorizes the applicant:

Erickson Robert
(Last) (First) (Middle)

P. O. Box 608
(Street or P.O. Box)

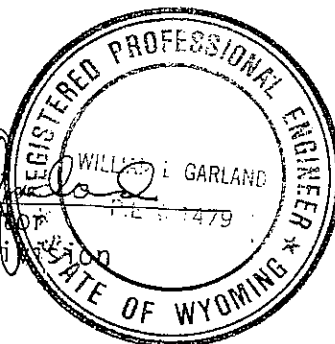
Wilson WY 83014
(City) (County) (State)

to construct, install, or modify a water distribution
facility located in Sec. 15, T. 40N, R. 117W.
(Legal Description)

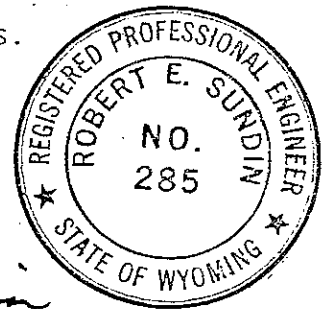
in the County of TETON, in the State of
Wyoming. This permit shall be effective for a period of TWO years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



August 15, 1979
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
933 MAIN STREET,
LANDER, WYOMING, 82520.
(307) 332-3144

PROJECT: RIVERMEADOWS SUBDIVISION WATER SYSTEM IMPROVEMENTS
Sec. 15, T. 40N, R. 117W, Teton County

ENGINEER: Nelson Engineering
P. O. Box 1141
Jackson, WY 83001 ATTN: Paul Allison, P.E.

OWNER: Robert Erickson
P. O. Box 608
Wilson, WY 83104

WATER QUALITY DIVISION REFERENCE NUMBER: 79-356R

REVIEWING ENGINEER: David W. Hill ^{dwH}

DATE OF REVIEW: July 31, 1979

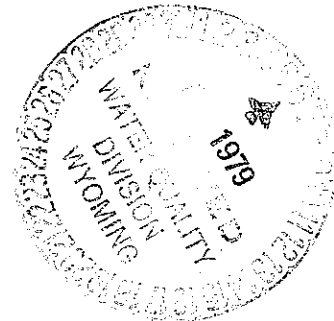
ACTION: NOT AUTHORIZED.

COMMENTS:

The plans and specifications for the improvements are acceptable. However, the existing water system has never been authorized by this department. The "as built" plans indicate one item not meeting standards and another needing additional information.

1. Additional information is needed concerning the existing well (i.e. - pitless adapter type, well seal, surface casing or grouting, height of casing above ground etc.).

2. The "as built" plans indicate that stop-waste yard hydrants are used for blow offs or air release. Stop-waste valves are dangerous cross-connections especially in high groundwater or where leach fields are used. These must be replaced by suitable blow offs, or valve setups.



REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
933 MAIN STREET,
LANDER, WYOMING, 82520.
(307) 332-3144



PROJECT: Rivermeadows Subdivision
Water System Improvements
Sec. 15, T. 40N, R. 117W, TETON COUNTY
ENGINEER: Nelson Engineering
P. O. Box 1141
Jackson, WY 83001 ATTN: Robert Farnsworth, P.E.
OWNER: Robert Erickson
P. O. Box 608
Wilson, WY 83014

WATER QUALITY DIVISION REFERENCE NUMBER: 79-356

REVIEWING ENGINEER: ^{DWH} David W. Hill

DATE OF REVIEW: June 29, 1979

ACTION: NOT AUTHORIZED.

COMMENTS:

- (1) What ultimate system size and population is planned for?
How many present lots and future lots on the system?
- (2) Has the well and hydropneumatic tank been authorized under
a previous permit? If not complete "as built" plans are
needed and they must meet current standards.

SPECIFICATIONS

- (3) AWWA C601 calls for initial dosage of 50 mg/l with a
residual at the end of 24 hours of 25 mg/l.
- (4) The slug method requires exposing the pipe to 300 mg/l
residual chlorine for no less than 3 hours.
- (5) Failure of the bacteriological tests shall result in
repetition of the procedure, not acceptance as long as
a residual is present.



Department of Environmental Quality
Water Quality Division

933 MAIN

LANDER, WYOMING 82520

TELEPHONE 307-332-3047

June 15, 1979.

Jack G. Majdic
Cartwheels, Inc.
P.O. Box 57
Hudson, WY 82515

Subject: Waste treatment facility for Cartwheels, Inc., Lot 3,
Section 7, T.25N., R.3E., Hudson, Fremont County

Dear Mr. Majdic:

The Water Quality Division does not issue permits to construct for facilities that have been constructed. The "as-built" plans have been reviewed and the facility has been inspected and it does meet the Division's standards.

This letter should serve the same purpose as a permit to construct for obtaining the necessary Department of Agriculture permits. If anyone has any questions, please have them contact this office.

Sincerely,

A handwritten signature in cursive script that reads "Roy E. Prior".

Roy E. Prior, P.E.
District Engineer

REP/br

cc: Robert G. Swan, Wyoming Dept. of Agriculture
2219 Carey Avenue
Cheyenne, WY 82002

cc: Phillip M. Hoyt
504-540 South 4th Street
Laramie, WY 82070

79-2-79

PERMIT TO CONSTRUCT

☒ New

Permit No. 79-358

☐ Renewal

☐ Modified

Mountain Home Resort (Non-Discharging Sewage Treatment Facility)
(Name of Facility)

This permit hereby authorizes the applicant:

Potter, James W.
(Last) (First) (Middle)

Coalmont Route
(Street or P.O. Box)

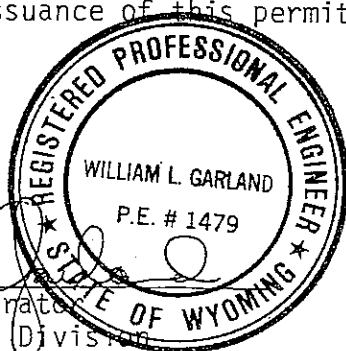
Laramie, Albany, WY 82070
(City) (County) (State)

to construct, install, or modify a commercial small subsurface disposal
facility located in Sec. 17, T12N, R78W
(Legal Description)

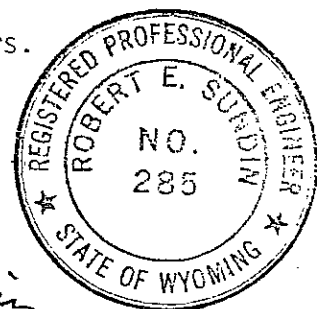
in the County of Albany, in the State of
Wyoming. This permit shall be effective for a period of two (2) years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



June 28, 1979

Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."



Department of Environmental Quality
Water Quality Division

933 MAIN

June 4, 1980

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

CERTIFIED MAIL

Wyoming Recreation Commission
604 East 25th Street
Cheyenne, WY 82002
ATTN: Robert J. Drobish

RE: Permit Application for Buffalo Bill State Park New
Headquarters Area, DEQ Reference No. 79-359



Dear Mr. Drobish:

Our records indicate your application for a permit to construct for the above referenced facility has not been resubmitted to this office. Please indicate below the status of your application.

- ___ The application will not be resubmitted. The application is to be removed from DEQ files.
- ___ The application will be resubmitted within 30 days.
- ___ The facility has been constructed or is under construction.
- Due to recent circumstances we are re-evaluating
- ☒ Other remarks the project. We will inform you of our future decision.

If this letter is not returned within 30 days, your application will be removed from our files.

Sincerely,

M. Robin Collins, P.E.
Northwest District Engineer

MRC/d1

Send plans back

*Plans returned
6-25-80*



Department of Environmental Quality
Water Quality Division

933 MAIN

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

January 29, 1980

Robert J. Drobish
Wyoming Recreation Commission
604 East 25th St.
Cheyenne, WY 82002

RE: Buffalo Bill State Park New Headquarters Area, Park
County, #79-359

Dear Mr. Drobish:

Our records indicate your application for a permit to construct for the above referenced facility has not been resubmitted to this office. Please indicate below the status of your application.

- ☐ The application will not be resubmitted. The application is to be removed from DEQ files.
- ☐ The application will be resubmitted within 30 days.
- ☐ The facility has been constructed or is under construction.
- ☐ Other remarks _____

If this letter is not returned within 30 days, your application will be removed from our files.

Sincerely,

A handwritten signature in dark ink, appearing to read "Rick Engelman", with a horizontal line extending to the right.

RICK ENGELMANN
District Engineer

RE/ms

REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
933 MAIN STREET,
LANDER, WYOMING, 82520.

(307) 332-3144

PROJECT: BUFFALO BILL STATE PARK NEW HEADQUARTERS AREA

ENGINEER: Robert J. Drobish
Wyoming Recreation Commission
604 East 25th Street
Cheyenne, WY 82002

OWNER: Wyoming Recreation Commission
604 East 25th Street
Cheyenne, WY 82002

WATER QUALITY DIVISION REFERENCE NUMBER: 79-359

REVIEWING ENGINEER: Rick Engelmann



DATE OF REVIEW: July 27, 1979

ACTION: NOT AUTHORIZED.

COMMENTS:

GENERAL

1. No "Application for Permit to Construct..." has been sent. Please fill out the enclosed.
2. We need three copies of all submitted material - plans, spec.s, design reports, etc.

WATER SYSTEM

The plans show that the system to be built in the near future will not be a "public water supply" as defined by WQD regulations; our regulations concerning construction and design do not apply. However, it appears that with the addition of the campground the system will fall under both our and U.S. EPA's jurisdiction, in which case our standards will apply. I have reviewed the water system on this assumption.

1. The use of 2" lines will provide very little fire protection. I estimated maximum available fire flow at the fire hydrant using the Hazen-Williams equation. Assuming 80' of available static head, approximately 600' of 2" pipe, and ignoring losses through fittings (which may be significant), flow was estimated as follows:

$$V = 1.318C_h (R_h)^{0.63} (S)^{0.54}$$

where

V = Velocity through pipe

C_h = Hazen-Williams coefficient, estimated to be 120

R_h = Hydraulic radius = 0.0417' for 2" line
80'

S = Energy slope = $\frac{80'}{600'} = 0.133$

Plugging the numbers into the equation yields $V = 7.2$ feet per second.
The flow rate is thus

$$Q = VA$$

where A is the pipe cross-sectional area. Q comes out as 0.157 cubic feet per second, or 70 gallons per minute.

Note that 70 gpm is the maximum flow available at the hydrant. It ignores fire hose losses. Though I cannot quote any figures, the generally accepted minimum fire flow rate for mobile homes is 500 gpm. To achieve this, I would strongly suggest using a six inch line to the hydrant, and a higher and larger storage tank. Our standards generally dictate use of a minimum line size of six inches in systems providing fire protection.

2. We strongly recommend against the use of a buried steel tank. If you really want a buried tank, we would prefer you use a concrete tank. Note that AWWA D100 has nothing to say about buried steel tanks!
3. The water line disinfection spec. is not complete. It must conform to AWWA C601-68. See enclosed.
4. If chlorination of the water is needed sometime in the future, how and where could it be applied? Is it possible to provide enough contact time for all users in the system?
5. We will need the following:
 - a. A way of bypassing the storage tank if it must be taken out of service.
 - b. Spec.s and plans that meet our standards for storage tanks. See enclosed. In addition, linings and coatings must meet AWWA, EPA, or FDA approval for water supplies.
 - c. Spec.s for well construction, materials, pump testing, pump, and well finishing. See Enclosed.
 - d. Specification of water line material that meets applicable AWWA spec.s. Note that some of the smaller line material is not covered by AWWA standards.

- e. Screened, down turned outlets at least 6" above grade at the irrigation distribution boxes.
- f. Sewer-water line crossing spec.s. See enclosed Appendix "A". It appears that you have several crossings with potential problems.
- g. A clearer drawing and/or description of the well piping - will the campground be linked to the storage tank?
- h. A more specific service stop valve spec.

SEWAGE SYSTEM

- 1. I would strongly suggest using a 6" collector line. This would be preferable for cleaning, and future additions, etc.
- 2. The leach field detail on sheet 12 does not match that shown on Sheet 5.
- 3. A standard leach field cannot be put on an 8% slope as shown on sheet 5. See pp. 17-18 of the enclosed excerpt from U.S. Pub. Health Service Publication 526. I would suggest serial trenches or a layout as shown on p. 58 of PHS 526.
- 4. Impervious material is not wanted over leach field lines as shown on sheet 12. This material must not be compacted!
- 5. The septic tank does not meet our standards. See enclosed excerpt from U.S. PHS Pub. 526, pp. 29-32.
- 6. We need the following:
 - a. A manhole on the upstream end of the system.
 - b. Sealing of manholes with mastic and/or grouting.
 - c. Service connection details. See Enclosed Appendix "A".
 - d. Complete material, installation, and testing spec.s for the sewer line. This includes bedding (should have full support of the barrel), definition of acceptable material in pipe zone, procedure for jointing, procedure for initial backfill & final backfill (with protection of line in mind), tests for alignment, exfiltration testing, maximum allowable exfiltration, and maximum allowable ovalation and testing there of. I would suggest the use of ASTM D3034, SDR 34 or 35 pipe.

REVIEW OF PLANS & SPEC.S (cont.)
BUFFALO STATE PARK NEW HEADQUARTERS AREA
PAGE 4

- e. A design summary of flow estimates, perc. tests, and basis for sizing of septic tank and leach field.

cc: Mr. Pat Crotty
U.S. EPA
1860 Lincoln Street
Denver, CO 80295

11405
7-18-79

PERMIT TO CONSTRUCT

☐ New
☐ Renewal
☒ Modified

Permit No. 79-360

Ref. 78-679RR

POWDER BASIN MALL
(Name of Facility)

This permit hereby authorizes the applicant:

W. M. Grace Construction

(Last)

(First)

(Middle)

c/o Larson & Brimacombe

1901 Energy Court, Suite 120

(Street or P.O. Box)

Gillette, WY 82716

(City)

(County)

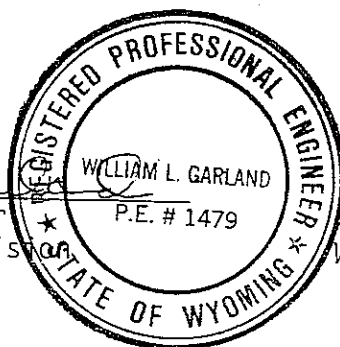
(State)

to construct, install, or modify a water distribution and sewage collection
facility located in Section 34, T.50N., R.72W.
(Legal Description)

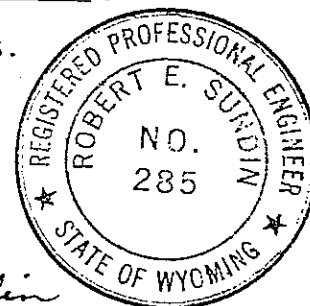
in the County of Campbell, in the State of
Wyoming. This permit shall be effective for a period of two (2) years
from the date of issuance of this permit not to exceed five (5) years.
cc: Jeff Smith, City Engineer's Office

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



July 12, 1979

Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

cc: Russell Larson
1901 Energy Court, Suite 120
Gillette, WY 82716

M + C
9-18-79

PERMIT TO CONSTRUCT

☒ New

Permit No. 79-361
(Ref. 79-34R)

☐ Renewal

☐ Modified

Heritage Homes Four-Plex (Block 2, Lots 1, 2, 3, 4)
(Name of Facility)

This permit hereby authorizes the applicant:

Heritage Homes
(Last)

(First)

(Middle)

P.O. Box 1504

(Street or P.O. Box)

Gillette
(City)

Campbell
(County)

WY 82716
(State)

to construct, install, or modify a sewage disposal

facility located in Section 24, T.49N., R.72W.

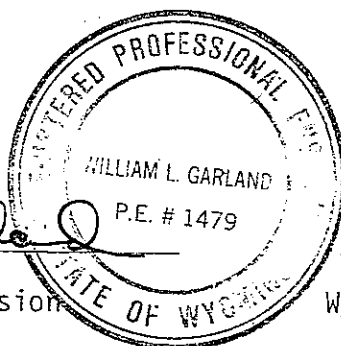
(Legal Description)

in the County of Campbell

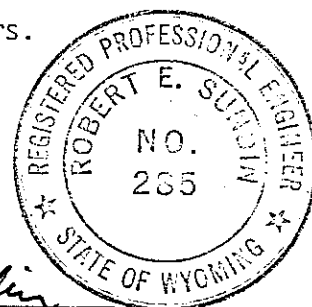
, in the State of
Wyoming. This permit shall be effective for a period of two (2) years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



September 12, 1979

Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

cc: Bryan Tarantola
Nelson Engineering
P. O. Box 1141
Jackson, WY 83001

PERMIT TO CONSTRUCT

7/14/79
8-17-79

☒ New
☐ Renewal
☐ Modified

Permit No. 79-362RR

BALSAM ROOT CONDOMINIUMS

(Name of Facility)

This permit hereby authorizes the applicant:

C-M Ventures

(Last)

(First)

(Middle)

901 Energy Court, Suite 100

(Street or P.O. Box)

Gillette

(City)

WY

(County)

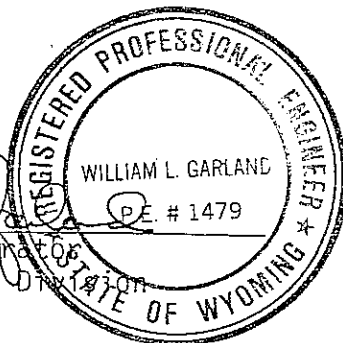
82716

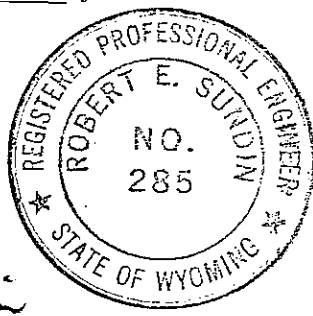
(State)

to construct, install, or modify a water distribution and sewage collection
facility located in Sec. 34, T. 41N, R. 116W (Town of Jackson)
(Legal Description)

in the County of TETON, in the State of
Wyoming. This permit shall be effective for a period of TWO years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:


William L. Garland
Administrator
Water Quality Division


Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality

August 13, 1979

Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
933 MAIN STREET,
LANDER, WYOMING, 82520.
(307) 332-3144



PROJECT: BALSAM ROOT CONDOMINIUMS

ENGINEER: R. L. Farnsworth
Nelson Engineering
P. O. Box 1141
Jackson, WY 83001

OWNER: C-M Ventures
901 Energy Court
Suite 100
Gillette, WY 82716

WATER QUALITY DIVISION REFERENCE NUMBER: 79-362R

REVIEWING ENGINEER: Rick Engelmann

A handwritten signature in cursive script that reads "Rick Engelmann".

DATE OF REVIEW: August 2, 1979

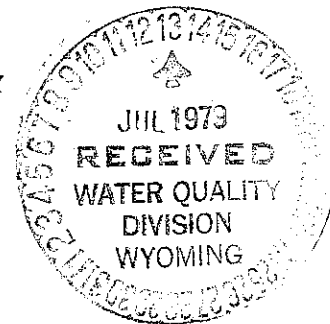
ACTION: NOT AUTHORIZED.

REMARKS:

Once we are provided with a spec. for maximum allowable deflection for flexible sewer pipe plus testing for same (mandrel, pig, etc.), we can issue the permit.

REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
933 MAIN STREET,
LANDER, WYOMING, 82520.
(307) 332-3144



PROJECT: BALSAM ROOT CONDOMINIUMS

ENGINEER: R. L. FARNSWORTH
NELSON ENGINEERING
P.O. BOX 1141
JACKSON, WY 83001

OWNER: C-M VENTURES
1901 ENERGY COURT
GILLETTE, WY 82716

WATER QUALITY DIVISION REFERENCE NUMBER: 79-362

REVIEWING ENGINEER: Rick Engelmann

A handwritten signature in dark ink, appearing to read "Rick Engelmann", followed by a horizontal line.

DATE OF REVIEW: July 10, 1979

ACTION: NOT AUTHORIZED.

COMMENTS:

GENERAL

- (1) We need a letter from the city of JACKSON stating that they are able and willing to provide water and sewer for the condominiums.
- (2) We need three copies of all application material. Only two were sent.

WATER

- (1) Please provide the following:
 - A. Complete material spec.s for the water line - pipe, valves, tapping saddles, valve boxes, etc.
 - B. Installation spec.s for the water lines - depth of bury, bedding, backfill, cleanliness, etc.
 - C. Testing & disinfection spec.s for lines.

SEWER

- (1) The proposed sewer/water crossings are unacceptable. See Enclosed
- (2) Please provide the following:
 - A. Complete material spec.s for the sewer lines - saddles, pipe (SDR, etc.), fittings, joints.
 - B. Installation spec.s for the sewer lines - proposed bedding, backfill, procedures for laying pipe, making connections, acceptable backfill procedures, etc.
 - C. Testing of sewer lines - alignment, deflection testing, infiltration/exfiltration.

M to K
8.15-79

PERMIT TO CONSTRUCT

☒ New

Permit No. 79-363R

☐ Renewal

☐ Modified

SHOP & OFFICE BUILDING, WORLAND MUNICIPAL AIRPORT
(Name of Facility)

This permit hereby authorizes the applicant:

WORLAND MUNICIPAL AIRPORT
(Last) (First) (Middle)

P. O. BOX 606

(Street or P.O. Box)

WORLAND
(City)

WY
(County)

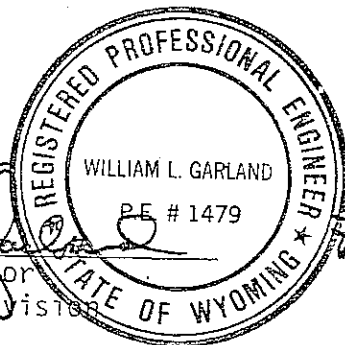
82401
(State)

to construct, install, or modify a septic tank - leach field
facility located in Sec. 5, T. 46N, R. 92W
(Legal Description)

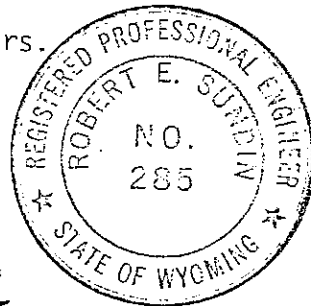
in the County of WASHAKIE, in the State of
Wyoming. This permit shall be effective for a period of TWO years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



August 6, 1979
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
933 MAIN STREET,
LANDER, WYOMING, 82520.
(307) 332-3144

PROJECT: WORLAND MUNICIPAL AIRPORT SHOP & OFFICE BLDG.

ENGINEER: LaVerne M. Nelson, P.E.
John W. Donnell and Associates
P. O. Box 13
Worland, WY 82401

OWNER:
Worland Municipal Airport
P. O. Box 606
Worland, WY 82401 ATTN: Eddie F. Storer

WATER QUALITY DIVISION REFERENCE NUMBER: 79-363

REVIEWING ENGINEER: Rick Engelmann



DATE OF REVIEW: July 27, 1979

ACTION: NOT AUTHORIZED.

COMMENTS:

Please provide spec.s for the piping, jointing, installation of pipe, required pipe slopes, and the septic tank installation. These do not have to be very detailed - an outline such as that provided in Appendix "B" of our Chapter III reg.s would be quite adequate.

In addition, we need one additional copy of the application material.

Vern - I realize this requirement is inconsistent with what I approved for Bud Belding's installation, but that was an oversight. I have generally in the past been requiring the minimum spec.s for commercial septic systems. Once this revision is submitted, we can get the permit out very quickly.

PERMIT TO CONSTRUCT

11-01
7-13-79

- ☒ New
☐ Renewal
☐ Modified

Permit No. 79-364

Oregon Trail Mobile Home Park Water Storage Tank
(Name of Facility)

This permit hereby authorizes the applicant:

Brasel & Sims Construction
(Last) (First) (Middle)

P. O. Box 490
(Street or P.O. Box)

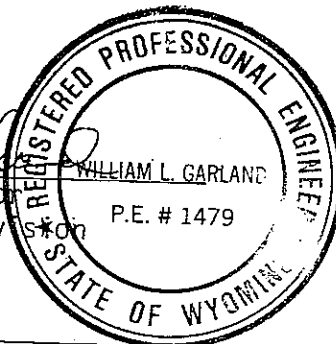
Lander WY 82520
(City) (County) (State)

to construct, install, or modify a potable water storage
facility located in Sec. 10, T. 29N, R. 92W
(Legal Description)

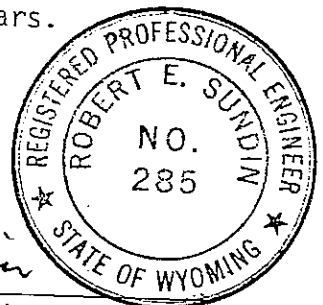
in the County of FREMONT, in the State of
Wyoming. This permit shall be effective for a period of TWO years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division
P.E. # 1479



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



July 3, 1979
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

PERMIT TO CONSTRUCT

11 to 1
8-7-79

☒ New
☐ Renewal
☐ Modified

Permit No. 79-365R

PARK PLACE SUBDIVISION

(Name of Facility)

This permit hereby authorizes the applicant:

BRASEL & SIMS CONSTRUCTION CO.

(Last)

(First)

(Middle)

P. O. BOX 490

(Street or P.O. Box)

LANDER

WY

82520

(City)

(County)

(State)

ATTN: Jeff Hermansky

to construct, install, or modify a Water distribution and sewage collection

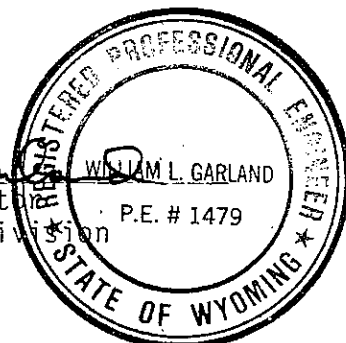
facility located in Sec. 19, T. 33N, R. 99W (city of Lander)

(Legal Description)

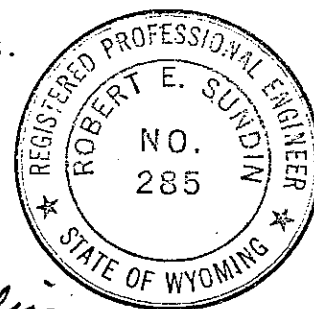
in the County of FREMONT, in the State of
Wyoming. This permit shall be effective for a period of TWO years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



July 26, 1979
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
933 MAIN STREET,
LANDER, WYOMING, 82520.
(307) 332-3144



PROJECT: PARK PLACE SUBDIVISION

ENGINEER: DON ADAMS
BRASEL & SIMS CONST.
P. O. BOX 490
LANDER, WY 82520

OWNER:
BRASEL & SIMS CONST.
P. O. BOX 490
LANDER, WY 82520

WATER QUALITY DIVISION REFERENCE NUMBER: 79-365

REVIEWING ENGINEER: RICK ENGELMANN

A handwritten signature in cursive script, appearing to read "Rick Engelmann".

DATE OF REVIEW: JULY 20, 1979

ACTION: NOT AUTHORIZED.

COMMENTS:

1. Sheet 3 conflicts with Sheet 4 for the sewer line serving Cottonwood. which is correct?
2. Unibell says that hydrohammers should not be used until there is at least 3' of backfill over PVC sewer line.
3. please provide:
 - a. A statement at the beginning of the material spec.s stating that all cited spec.s are to be the most current edition. None of the given AWWA spec.s are dated.
 - b. Spec. for bacteriological testing after disinfection of water lines.

PERMIT TO CONSTRUCT

11-01-79
8-15-79

☒ New

Permit No. 79-366

☐ Renewal

☐ Modified

BIG HORN NO. 5 RESERVOIR

(Name of Facility)

This permit hereby authorizes the applicant:

Big Horn Coal Company Attention: Bert Brooks

(Last)

(First)

(Middle)

P.O. Box 724

(Street or P.O. Box)

Sheridan

Sheridan

Wyoming 82801

(City)

(County)

(State)

to construct, install, or modify a runoff control pond

facility located in Section 22, T.57N., R.84W.

(Legal Description)

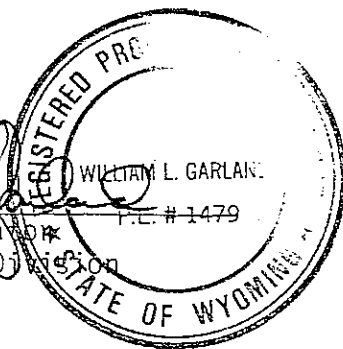
in the County of Sheridan, in the State of


Wyoming. This permit shall be effective for a period of two (2) years

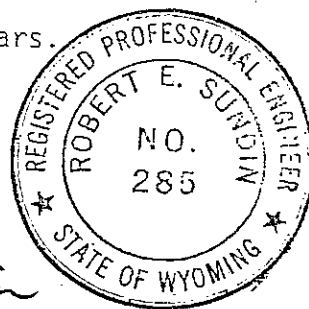
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:


WILLIAM L. GARLAND
P.E. # 1479
Administrator
Water Quality Division




ROBERT E. SUNDIN
Director
Wyoming Dept. of Environmental Quality



August 10, 1979

Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

79-367

Same as
79-304

11-20-79
P.B-79

PERMIT TO CONSTRUCT

☒ New

Permit No. 79-368

☐ Renewal

☐ Modified

GARDENS NORTH SUBDIVISION WATER DISTRIBUTION AND SEWAGE
(Name of Facility)
COLLECTION SYSTEMS

This permit hereby authorizes the applicant:

The G.N.C Corporation
(Last) (First) (Middle)

P. O. Box 489

(Street or P.O. Box)

Riverton
(City)

WY
(County)

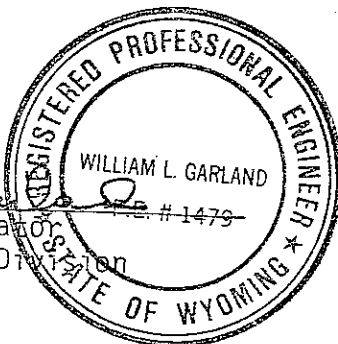
82501
(State)

to construct, install, or modify a water distribution and sewage collection
facility located in Sec. 13, T. 1N, R. 4E
(Legal Description)

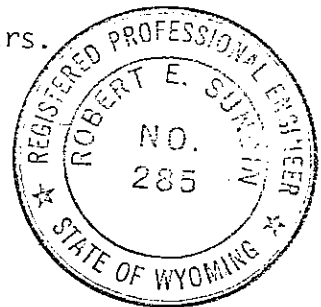
in the County of FREMONT, in the State of
Wyoming. This permit shall be effective for a period of TWO years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Surdin
Director
Wyoming Dept. of Environmental Quality



August 2, 1979

Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

THE STATE



OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

March 12, 1984

Mr. Robert Drobish
Wyoming Recreation Commission
604 East 25th St.
Cheyenne, WY 82002

Dear Mr. Drobish:

On March 7, 1984, a status letter was sent to you concerning a permit to construct, reference number 79-369, facility name Sinks Canyon Sanitary Facility.

In accordance with your instructions, we are returning all materials related to this proposed project and, confirm that you have requested to withdraw your application.

Sincerely,

A handwritten signature in dark ink, appearing to be "Ed Baruth".

Ed Baruth, P.E.
Northwest District Supervisor

EB:dcn

Enclosure



Department of Environmental Quality
Water Quality Division

210 LINCOLN STREET

LANDER, WYOMING 82520

TELEPHONE 307-332-3144

March 7, 1984

Robert Drobish
Wyoming Recreation Commission
604 East 25th St.
Cheyenne, WY 82002

Dear Sir:

Our records indicate your application for a permit to construct has not been resubmitted to this office for review and authorization. The specific information for your proposed project are:

Facility Name: Sinks Canyon Sanitary Facility
DEQ/WQD Reference Number: #79-369
Engineering Consultant: Robert Drobish
DEQ/WQD Review Engineer: Ed Baruth, P.E.
Date of DEQ/WQD Review: July 31, 1979

Please indicate below the status of your application and return this form to our office:

- ☐ The application will not be resubmitted as the proposed project has been cancelled.
- ☐ The application will be resubmitted within 30 days.
- ☐ The facility has been constructed, or is under construction. As built construction plans and specifications will be submitted within 30 days.
- ☐ Other remarks _____
- _____
- _____

Page Two

You are reminded that the construction, installation, or modification of any sewerage system, treatment works, disposal system, or other facility capable of causing or contributing to pollution, or public water supply system without a Permit to Construct is a violation of Wyoming State Statutes. Unless the Water Quality Division review engineer receives information concerning the status of this project within 15 days of the receipt of this letter, follow-up action will be taken.

Sincerely,

A handwritten signature in dark ink, appearing to be 'Ed' followed by a stylized flourish.

Ed Baruth, P.E.
Northwest District Supervisor

EB:dcn

REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
933 MAIN STREET,
LANDER, WYOMING, 82520.
(307) 332-3144

PROJECT: SINKS CANYON SANITARY FACILITY

ENGINEER: Robert J. Drobish
Wyoming Recreation Commission
604 East 25th Street
Cheyenne, WY 82002

OWNER: Wyoming Recreation Commission
604 East 25th Street
Cheyenne, WY 82002

WATER QUALITY DIVISION REFERENCE NUMBER: 79-369

REVIEWING ENGINEER: Rick Engelmann



DATE OF REVIEW: July 31, 1979

ACTION: NOT AUTHORIZED.

COMMENTS:

We need the following:

1. A completed "Application for Permit to Construct..." See Enclosed.
2. Three copies of all submitted material.
3. Sealing of the toilet vault - bitumastic sealing or equivalent.
4. A commitment from a local wastewater treatment facility stating they will accept the pumped waste.

cc: John A. Lambert
P.O. Box 34
Douglas, WY 82633

826
11-9-79

PERMIT TO CONSTRUCT

☒ New

Permit No. 79-370RR

☐ Renewal

☐ Modified

Northgate Development

(Name of Facility)

This permit hereby authorizes the applicant:

Irwin,
(Last)

C.
(First)

Donald
(Middle)

134 North Second St.

(Street or P.O. Box)

Douglas,
(City)

Converse,
(County)

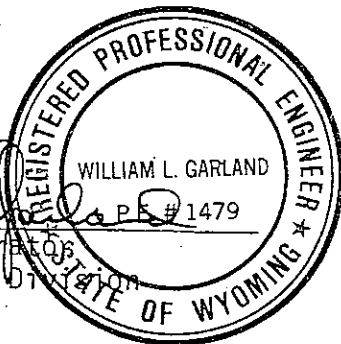
WY 82633
(State)

to construct, install, or modify a municipal distribution & collection
facility located in Sec. 4, T32N, R71W
(Legal Description)

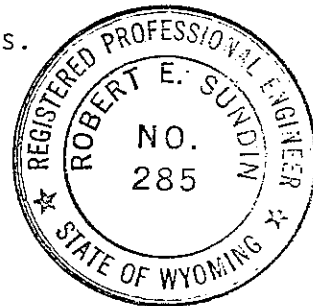
in the County of Converse, in the State of
Wyoming. This permit shall be effective for a period of two (2) years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



August 30, 1979
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

8-16-79

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
~~XXXXXXXXXXXXXXXXXXXX~~ Hathaway Bldg.
Cheyenne, Wyoming 82002

PROJECT: Northgate Development, Water and Sewer Plans, Converse Co.

ARCHITECT OR ENGINEER: John A. Lambert, P.O. Box 34, Douglas, WY

WATER QUALITY DIVISION REFERENCE NUMBER: 79-370

REVIEWING ENGINEER: *Robert H. Pinther*
Robert H. Pinther, M.S., P.E.

DATE OF REVIEW: August 14, 1979

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

Water Specifications

1. In line 4 of paragraph 3, Pavement Cuts, on page 5, change "trench is not less than" to "trench is not more than".
2. Where are the "Standard Specifications" referred in paragraph 3, Pipe Bedding, on page 5?
3. Since ABS pipe is not specified, the reference to bedding for ABS pipe on page 5 should be omitted.
4. Specify that all asbestos-cement pipe shall be laid in compliance with AWWA Standard C603 for Installation of Asbestos-Cement Pressure Pipe.
5. Incorporate the attached "Requirements for Horizontal and Vertical Separation Between Water and Sewer Mains".
6. Specify that all trenches shall be backfilled by hand from the bottom of the trench to the centerline of the pipe with sand, gravel or other material approved by the engineer.
7. Specify that the backfill material shall be deposited in the trench for its full width on each side of the pipe, fittings, and appurtenances simultaneously.

Sewer Specifications

1. The maximum vertical deflection of any sewer pipe shall not exceed 5% of the internal pipe.
2. Specify maximum deviations from the straight alignment and the grades shown on the plans.

Plan Review
Northgate Development
WQD Reference No. 79-370
August 14, 1979
Page two

3. Specify that the laming of any sewer between manholes shall show a perfect circle. Any section that fails the laming test shall be checked for alignment, grade and deflection and the necessary corrections made.
4. Sewers shall be sufficiently deep to receive sewage from basements and to prevent freezing.
5. Sewers 24 inches or less shall be laid with straight alignment between manholes.
6. The minimum horizontal separation between water and sewer mains shall be 10 feet measured edge to edge.
7. Incorporate the attached "Requirements for Horizontal and Vertical Separation Between Water and Sewer Mains".
8. Provide specifications for installation of PVC sewer pipe that incorporate the provisions of UNI-B-5-77A of the Uni-Bell Plastic Pipe Association or ASTM Standard D2321, latest edition.

General

1. Submit a letter from the Town of Douglas which states that the Town is willing to provide water and sewer services for this project and has adequate capacity to handle both.
2. Complete the enclosed "Application for Permit to Construct" and submit to this office in duplicate.

Enclosures - 2

cc: R. G. Zinn
202 E. 2nd St., Suite 628
Casper, WY 82601

Boyle
9-5-79

PERMIT TO CONSTRUCT

☒ New

☐ Renewal

Permit No. 79-371RR

☐ Modified

Green Valley Mobile No. 2

(Name of Facility)

This permit hereby authorizes the applicant:

Berrett, L. Ray
(Last) (First) (Middle)

Box 4069

(Street or P.O. Box)

Casper, Natrona, WY 82604
(City) (County) (State)

to construct, install, or modify a distribution and collection

facility located in Sec. 15, T33N, R80W

(Legal Description)

in the County of Natrona, in the State of

Wyoming. This permit shall be effective for a period of two (2) years

from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
ADMINISTRATOR
Water Quality Division
REGISTERED PROFESSIONAL ENGINEER
WILLIAM L. GARLAND
PE # 1479
STATE OF WYOMING

Robert E. Sundin
DIRECTOR
Wyoming Dept. of Environmental Quality
REGISTERED PROFESSIONAL ENGINEER
ROBERT E. SUNDIN
NO. 285
STATE OF WYOMING

August 30, 1979

Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

This permit does not supercede the requirements for obtaining a Septic Tank Permit from Natrona County Health Department.

Book
A-7-15-79

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION

XXXXXXXXXXXXXXXXXXXXX Hathaway Bldg.

Cheyenne, Wyoming 82002

PROJECT: Green Valley Mobil No. 2, Natrona Co.

ARCHITECT OR ENGINEER: Richard G. Zinn, Civil Engineering Consultants,
6820 W. Yellowstone Hwy., Casper, WY 82601

WATER QUALITY DIVISION REFERENCE NUMBER: 79-371

REVIEWING ENGINEER: *Robert H. Pinther*
Robert H. Pinther, M.S., P.E.

DATE OF REVIEW: August 8, 1979

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. Submit detail of a typical sewer service riser pipe. See section 1.8 Risers of Chapter III, Wyoming Water Quality Rules & Regulations, 1976.
2. Submit detail of a typical water service riser pipe. See section 2.1 Water Connection of the aforementioned regulations.
3. Specify a minimum horizontal separation of 5 feet between all water and sewer service risers.
4. The manholes along the north side of Todd Avenue within the confines of the unit spaces shall not be located under any mobile home.
5. Specify that manhole 1 shall be of the drop type.
6. Submit a location plan.
7. Indicate on the plans the size of the "existing receiving sewer" and the location and identity of the sewage treatment plant.
8. Indicate on the plans the size and type of the existing water main and the identity of the source of water.
9. In order to avoid excessively shallow depths of sewage (less than 17% of full) in the pipes at minimum flows, it appears all the sewers should be 8 inches in diameter except the section from MH 1 to existing MH and it should be 10 inches in diameter.
10. Issuance of a permit to construct is contingent upon compliance with the above comments and receipt of communications from the owner(s) of the water and sewer facilities indicating that the necessary water and sewage services are available with adequate capacity and that adequate treatment facilities are available.

cc: Richard G. Zinn
6820 W. Yellowstone
Casper, WY 82601

Book
M-8-24-79

PERMIT TO CONSTRUCT

☒ New
☐ Renewal
☐ Modified

Permit No. 79-372R

Topaz Addition to the Town of Mills (Lots 14, 15, 17 & 17; Block 6)
(Name of Facility)

This permit hereby authorizes the applicant:

Ponderosa Development

(Last) (First) (Middle)

P.O. Box 3042

(Street or P.O. Box)

Casper,

Natrona,

WY 82602

(City)

(County)

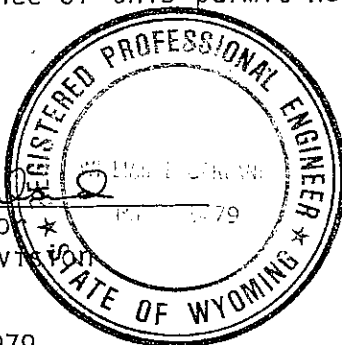
(State)

to construct, install, or modify a water distribution and sewage collection system
facility located in Sec. 12, T33N, R80W
(Legal Description)

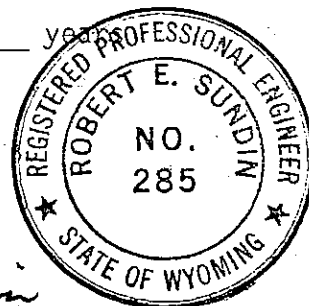
in the County of Natrona, in the State of
Wyoming. This permit shall be effective for a period of two (2) years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Anderson
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



August 20, 1979

Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

This permit does not supercede the requirements for obtaining a Septic Tank Permit from Natrona County Health Department.

cc: Ed S. Rate
P.O. Box 930
Casper, WY 82602

Book
M-7-17-79

PERMIT TO CONSTRUCT

☒ New

☐ Renewal

Permit No. 79-373

☐ Modified

Western Construction

(Name of Facility)

This permit hereby authorizes the applicant:

Western Construction

(Last)

(First)

(Middle)

P.O. Box 930

(Street or P.O. Box)

Casper,

Natrona,

WY 82602

(City)

(County)

(State)

to construct, install, or modify a small subsurface disposal

facility located in Sec. 32, T34N, R79W, Lot #24, Skyview Industrial

(Legal Description)

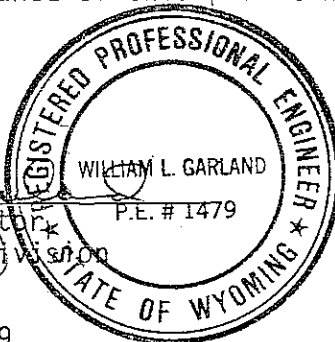
in the County of Natrona, in the State of

Wyoming. This permit shall be effective for a period of two (2) years

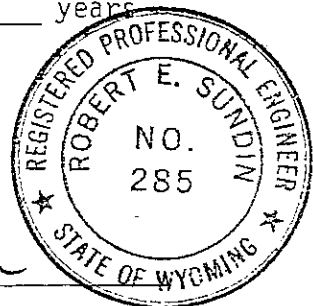
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



July 18, 1979

Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

This permit does not supercede the requirements for obtaining a Septic Tank Permit from Natrona County Health Department.

cc: Gene Hackleman
VTN Wyoming
330 N. Main Street
Sheridan, WY 82801

PERMIT TO CONSTRUCT

☒ New
☐ Renewal
☐ Modified

Permit No. 79-374

EISELE SUBDIVISION, CITY OF SHERIDAN
(Name of Facility)

This permit hereby authorizes the applicant:

Eisele Elmo
(Last) (First) (Middle)

Buffalo Star Route
(Street or P.O. Box)

Sheridan Sheridan Wyoming 82801
(City) (County) (State)

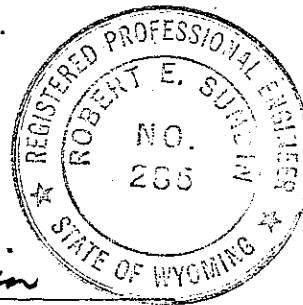
to construct, install, or modify a water distribution and sewage collection
facility located in Section 2, T.55N., R.84W.
(Legal Description)

in the County of Sheridan, in the State of
Wyoming. This permit shall be effective for a period of two (2) years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William J. Garland
Administrator
Water Quality Division

Robert E. Surdin
Director
Wyoming Dept. of Environmental Quality



September 20, 1979
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

Book
M-7-10-79

PERMIT TO CONSTRUCT

☐ New
☐ Renewal
☒ Modified

Permit No. 79-375
Ref. No. 79-56R

Devonshire Village

(Name of Facility)

This permit hereby authorizes the applicant:

Spencer,	D.	Keith
(Last)	(First)	(Middle)
The Engineers		
644 W. 14th		
(Street or P.O. Box)		

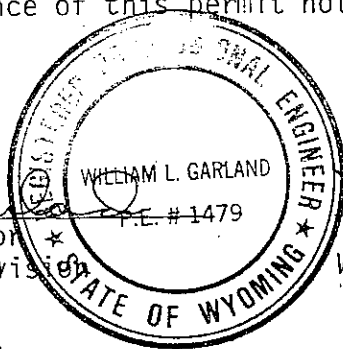
Casper,	Natrona,	WY 82601
(City)	(County)	(State)

to construct, install, or modify a public water supply, distribution & collection system
facility located in Paradise Valley
(Legal Description)

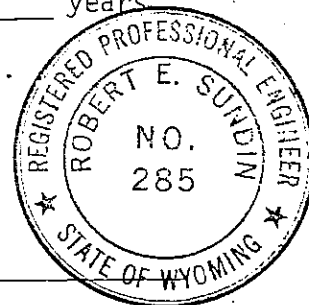
in the County of Natrona, in the State of
Wyoming. This permit shall be effective for a period of two (2) years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



July 5, 1979

Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

This permit does not supercede the requirements for obtaining a Septic Tank Permit from Natrona County Health Department.

cc: The Engineers
6405 Indian Scout
Casper, WY 82601

PERMIT TO CONSTRUCT

☒ New
☐ Renewal
☐ Modified

Permit No. 79-376R

CFA Addition

(Name of Facility)

This permit hereby authorizes the applicant:

Spencer, D. K.
(Last) (First) (Middle)

104 N. Center St.

(Street or P.O. Box)

Casper, Natrona, WY 82601
(City) (County) (State)

to construct, install, or modify a sewage collection system

facility located in T33N, R79W

(Legal Description)

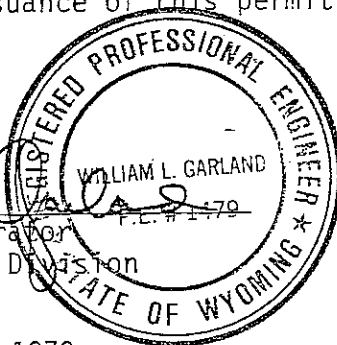
in the County of Natrona, in the State of

Wyoming. This permit shall be effective for a period of two (2) years

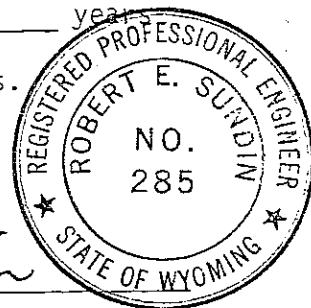
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division
P.E. # 1479



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



August 23, 1979

Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

This permit does not supercede the requirements for obtaining a Septic Tank Permit from Natrona County Health Department.

7-18-79

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION

~~XXXXXXXXXXXXXXXXXXXX~~ Hathaway Bldg.

Cheyenne, Wyoming 82002

PROJECT: CFA Addition, Natrona Co.

ARCHITECT OR ENGINEER: The Engineers, 6405 Indian Scout, Casper, WY 82601

WATER QUALITY DIVISION REFERENCE NUMBER: 79-367⁷⁶

REVIEWING ENGINEER: LeRoy C. Feusner, P.E. *LR*

DATE OF REVIEW: July 18, 1979

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

1. Will drinking water be supplied?
2. Provide letter from the Casper Board of Public Utilities stating that the City municipal wastewater plant will be capable of handling the additional organic and hydraulic loading from this project.
3. Change construction note to: All construction must be accomplished in accordance with 1979 City of Casper, Board of Public Utilities, Standards and Specifications.

cc: The Engineers
6405 Indian Scout
Casper, WY 82601

PERMIT TO CONSTRUCT

☐ New
☐ Renewal
☒ Modified

Permit No. 79-377
Ref. No. 78-668
78-668M

Eastward Heights
(Name of Facility)

This permit hereby authorizes the applicant:

Casper Board of Public Utilities

(Last) (First) (Middle)

200 N. David

(Street or P.O. Box)

Casper, Natrona, WY 82601

(City) (County) (State)

to construct, install, or modify a municipal distribution & collection system
(public water supply)

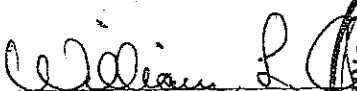
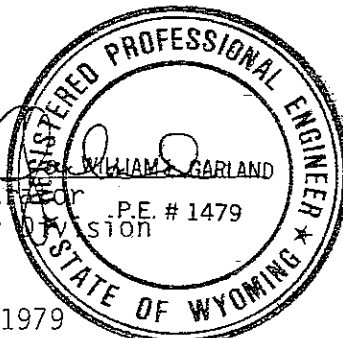
facility located in the City of Casper
(Legal Description)

in the County of Natrona, in the State of

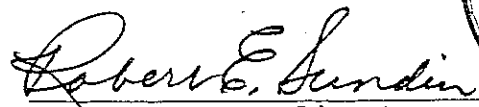
Wyoming. This permit shall be effective for a period of two (2) years

from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:


Administered for
Water Quality Division
P.E. # 1479


July 13, 1979
Date of Issuance


Director
Wyoming Dept. of Environmental Quality


"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

This permit does not supercede the requirements for obtaining a Septic Tank Permit from Natrona County Health Department.

cc: Robert V. Lord, Jr.
Lord & Associates
523 Val Vista
Sheridan, WY 82801

Mto 5 12-28-79

PERMIT TO CONSTRUCT

☒ New

Permit No. 79-378RR

☐ Renewal

☐ Modified

TONGUE RIVER ESTATES (PHASE I)

(Name of Facility)

This permit hereby authorizes the applicant:

Northern Wyoming Division

(Last)

(First)

(Middle)

523 Val Vista

(Street or P.O. Box)

Sheridan

(City)

Sheridan

(County)

Wyoming 82801

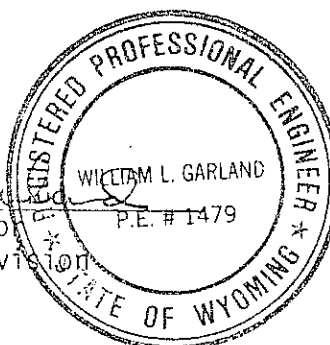
(State)

to construct, install, or modify a water distribution and sewage collection
facility located in Section 19, T.57N., R.85W. and R.86W.
(Legal Description)

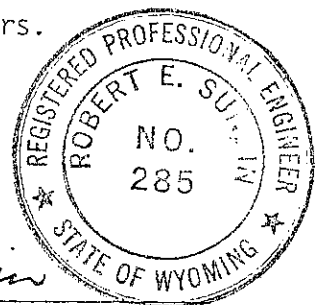
in the County of Sheridan, in the State of
Wyoming. This permit shall be effective for a period of two (2) years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Surdin
Director
Wyoming Dept. of Environmental Quality



December 17, 1979
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
State Office Building
Cheyenne, Wyoming 82002

PROJECT: Tongue River Estates Subdivision, Town of Ranchester

ARCHITECT OR ENGINEER: Robert Lord, Lord & Associates
523 Val Vista
Sheridan, WY 82801

WATER QUALITY DIVISION REFERENCE NUMBER: 79-378

REVIEWING ENGINEER: Dan H. Kim, Jake Strohman, P.E.

DATE OF REVIEW: August 22, 1979

ACTION: Not Authorized for Construction

COMMENTS:

General

1. Enclosed is an application form for a permit to construct which must be completed and returned to our office.
2. A letter of verification should be provided from the City of Ranchester, stating that the City would provide adequate water and sewer services to the proposed subdivision.
3. The plans indicate that the 100 year flood level on the 5-mile creek is 3765.8. Please indicate the source of this information. Is this elevation agreeable to the City?
4. Does this subdivision accommodate only family residences? Are there any industrial establishments included?

Water

1. For a number of water lines and sewer lines with plugged deadends, intended for future expansion, details of plugging methods should be provided.
2. Thrust blocking details, including size of block, strength of concrete, etc., are needed.
3. Regarding the underwater crossing, please address the following comments.
 - specifications for flexible, water tight joint is needed.
 - please state the vertical separation between the force mains and the water line.
 - the 10-States Standards also require the valve closest to the supply source to be installed in a manhole. Provide details.

4. The water mains shall be disinfected in accordance with AWWA C601. The application of Cl_2 shall be at a rate of no less than 50 mg/l with a residual at the end of 24 hours of no less than 25 mg/l. Please correct the specifications.

Lift Station

1. Detail drawing of the lift station, showing all the specified equipment and appertenances, is needed. It should be noted that design of the sewage pumping station must meet the Chapter 30 of the 10-States Standards.
2. Please provide complete design criteria for the lift station (peak flows, average flows, wet well design, force main design, pump design, etc.). Please also indicate whether the proposed 500 gpm pump at 16 TDH was selected based on the peak flow of full development of Tongue River Estates or of only presently proposed development. Pump performance curve is also needed.
3. Please indicate the elevation levels for the floats (pump shut-off, turn-on, emergency alarm, etc.).
4. Where will the high and low water level alarm be telemetered to? Is the City responsible for maintaining the lift station?
5. Are air relief valves needed at high points in the force main to prevent air locking?
6. Suitable shut-off valves shall be placed on suction and discharge lines of each pump. A check valve is also needed on each discharge line. Show the details.
7. It appears that 6-inch diameter RCP wet well, shown in the plans, is a typographical error of 6-foot diameter RCP. Please correct. What is the detention time of the wet well for the design average flow? It should also be noted that the wet well floor shall have a minimum slope of 1 to 1 to the hopper bottom.
8. All electrical systems and components in the lift station shall be explosion proof, complying with the NEC requirements for Class 1, Division 1 locations.

Sewer

1. Does the 4-inch drain pipe need a riprap at its discharging area?
2. Untreated building papers or equal should be placed between the 8-inch PVC sewer pipe and 4-inch drain pipe.
3. The maximum vertical deflection allowed shall not exceed 5% of the pipes' internal diameter (i.e., Go-No-Go deflection gauge).
4. Please discuss the size and the capacity of the existing sewer line which the force main is to be hooked into. Is the existing line able to handle additional flow from the subdivision?

NOTE: Due to the number of comments, this cannot be considered a complete or final review.

M-10-2
7-19-79

PERMIT TO CONSTRUCT

☒ New
☐ Renewal
☐ Modified

Permit No. 79-379

WRIGHT MANOR
(Name of Facility)

This permit hereby authorizes the applicant:

Atlas Construction Company
(Last) (First) (Middle)

1651 Carey Avenue
(Street or P.O. Box)

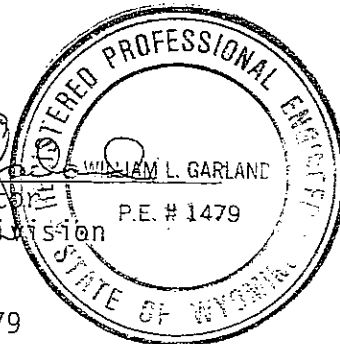
Cheyenne, WY 82001
(City) (County) (State)

to construct, install, or modify a water distribution and sewage collection
facility located in Section 27, T.44N., R.72W.
(Legal Description)

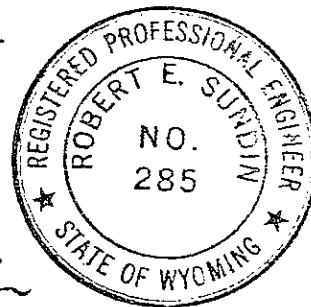
in the County of Campbell, in the State of
Wyoming. This permit shall be effective for a period of two (2) years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division
P.E. # 1479



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



July 19, 1979
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

PERMIT TO CONSTRUCT

17-99

☒ New

Permit No. 79-380

☐ Renewal

☐ Modified

WYOMING BEVERAGES HANGAR BUILDING

(Name of Facility)

This permit hereby authorizes the applicant:

WYOMING BEVERAGES CORPORATION

(Last)

(First)

(Middle)

821 PULLIAM AVE.

(Street or P.O. Box)

WORLAND

WY

82401

(City)

(County)

(State)

to construct, install, or modify a septic tank - leach field

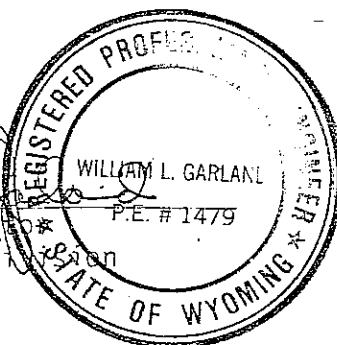
facility located in Sec. 5, T. 46N, R. 92W (Worland Airport)

(Legal Description)

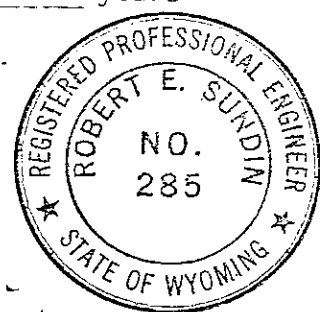
in the County of WASHAKIE, in the State of Wyoming. This permit shall be effective for a period of TWO years from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrative
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



August 10, 1979

Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

cc: BUSH & GUDGELL, INC.
P. O. BOX 1144
ROCK SPRINGS, WY 82901
ATTN: Leon Kjellgren PERMIT TO CONSTRUCT

M to 8-79
8-7-79

☒ New
☐ Renewal
☐ Modified

Permit No. 79-381R

SANITARY SEWER FOR SARCLETTI LAND CO.
(Name of Facility)

This permit hereby authorizes the applicant:

Sarcletti Ray
(Last) (First) (Middle)

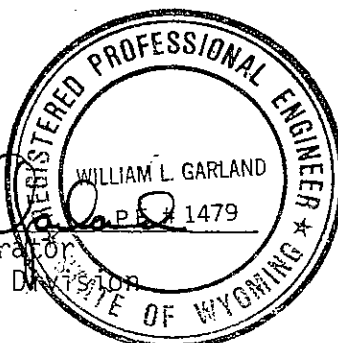
620 "B"
(Street or P.O. Box)

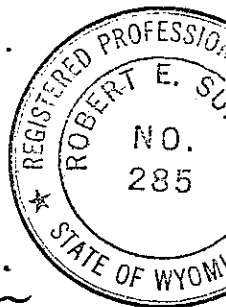
Rock Springs WY 82901
(City) (County) (State)

to construct, install, or modify a wastewater collection line
facility located in Sec. 2, T. 19N, R. 105W
(Legal Description)

in the County of SWEETWATER, in the State of
Wyoming. This permit shall be effective for a period of Two years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division


Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality


July 30, 1979
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
933 MAIN STREET,
LANDER, WYOMING, 82520.
(307) 332-3144

PROJECT: SANITARY SEWER FOR SARCLETTI LAND COMPANY INDUSTRIAL PARK
SEC. 2, T. 19 N, R. 105 W.
SWEETWATER COUNTY
ENGINEER: BUSH & GUDGELL, INC.
P.O. BOX 1144
ROCK SPRINGS, WY 82901
ATTN: LEON KJELLGREN, P.E.
OWNER: RAY SARCLETTI
620 "B"
ROCK SPRINGS, WY 82901



WATER QUALITY DIVISION REFERENCE NUMBER: 79-381

REVIEWING ENGINEER: ^{DAV}DAVID W. HILL

DATE OF REVIEW: JULY 13, 1979

ACTION: NOT AUTHORIZED.

COMMENTS:

1. Are the plans and specifications for the water system to be under a separate permit?
2. Details are needed for service line connections to the main line.
3. The specifications refer to Section 3, Specification 3 "Embankment, Structural, and Trench Backfill" which was not included.
4. Deflection testing specifications are needed for all collection main lines using PVC (Reference UNI - B-5-78)
5. Manhole specifications are needed

LEON: I Couldn't remember if I had sent you the new Ten State Sewage System Standards. In any case, enclosed is another copy.

Enclosure:

mto
6-10-80

PERMIT TO CONSTRUCT

☒ New
☐ Renewal
☐ Modified

Permit No. 79-382R

Green Mountain Park Wastewater Facility
(Name of Facility)

This permit hereby authorizes the applicant:

Fremont County Recreation Board - c/o Tony Masters
(Last) (First) (Middle)

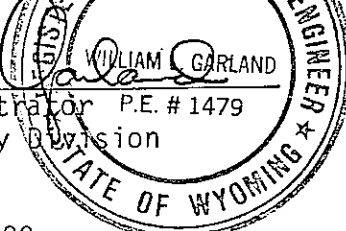
810 Cindy Circle
(Street or P.O. Box)

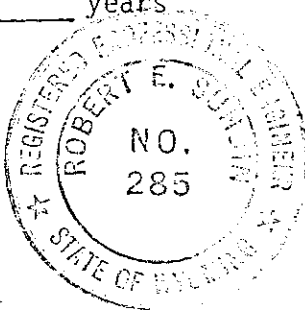
Riverton Wyoming 82501
(City) (County) (State)

to construct, install, or modify a wastewater holding vault (tank)
~~facility~~ located in SE $\frac{1}{4}$, NW $\frac{1}{4}$, Sec. 29, T. 28N, R. 91W
(Legal Description)

in the County of Fremont, in the State of
Wyoming. This permit shall be effective for a period of 2 years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator P.E. # 1479
Water Quality Division


Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality


June 2, 1980
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
933 MAIN STREET,
LANDER, WYOMING, 82520.

(307) 332-3144

PROJECT: GREEN MOUNTAIN PARK

ENGINEER: M. R. HANSEN
RIVERVIEW RT.
RIVERTON, WY 82501

OWNER: FREMONT CO. RECREATION BOARD
c/o TONY MASTERS
810 CINDY COURT
RIVERTON, WY 82501

WATER QUALITY DIVISION REFERENCE NUMBER: 79-382

REVIEWING ENGINEER: Rick Engelmann



DATE OF REVIEW: July 31, 1979

ACTION: NOT AUTHORIZED.

COMMENTS:

1. There must be specified some type of sealant for the concrete vaults - some type of bitumastic sealant or equivalent.
2. Before approval, we need some kind of commitment from a local wastewater treatment facility that they will accept the waste.
3. We need three sets of all submitted material - maps, plans, as well as spec.s.
4. Who is putting this system in - BLM or the county?

cc: W.M. Taylor
BRW/NOBLITT
1709 Carey Ave.
Cheyenne, WY 82001

11-1-17-80

PERMIT TO CONSTRUCT

☐ New
☐ Renewal
☒ Modified

Permit No. 79-383R
Ref. No. 78-458R

Big Sky Estates 2nd Filing
(Name of Facility)

This permit hereby authorizes the applicant:

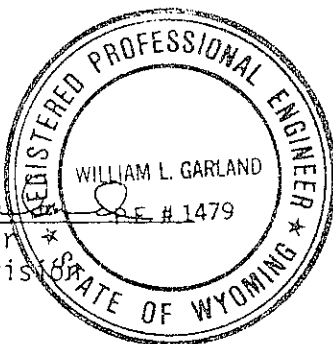
Chism Homes, Inc.
(Last) (First) (Middle)
302 West 20th St.
(Street or P.O. Box)
Cheyenne, WY 82001
(City) (County) (State)

to construct, install, or modify a municipal water and sewer
facility located in Sec. 7, T13N, R66W
(Legal Description)

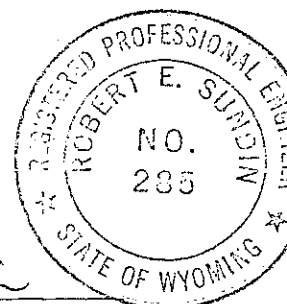
in the County of Laramie, in the State of
Wyoming. This permit shall be effective for a period of two (2) years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



January 11, 1980
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

M
8-29-79

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION

~~State Office Building~~ Hathaway Bldg.
Cheyenne, Wyoming 82002

PROJECT: Big Sky Estates - 2nd Filing, Modification of Waterline and Sewer Collection System, Laramie Co.

ARCHITECT OR ENGINEER: BRW Noblitt, 1709 Carey Avenue, Cheyenne, WY 82001

WATER QUALITY DIVISION REFERENCE NUMBER: 79-383

REVIEWING ENGINEER: *Frank R. Harman*
Frank R. Harman, M.S., P.E.

DATE OF REVIEW: August 29, 1979

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

Typical Blow-off Detail

The installation of a blow-off below grade is not acceptable. Either a blow-off should extend above grade to prevent contamination of the water system or a fire hydrant should be installed in lieu of a blow-off or loop the water main.

cc: John H. Hibsman
ARIX Engineers
625 E. Madison, #5
Riverton, WY 82501

Back
11-8-79

PERMIT TO CONSTRUCT

☒ New

Permit No. 79-384R

☐ Renewal

☐ Modified

Hartville Pump and Transmission Line

(Name of Facility)

This permit hereby authorizes the applicant:

Town of Hartville

(Last)

(First)

(Middle)

P.O. Box "A"

(Street or P.O. Box)

Hartville,

(City)

Platte,

(County)

WY 82215

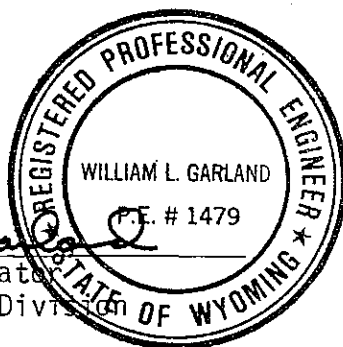
(State)

to construct, install, or modify a municipal source development and distribution
system
facility located in Sec. 27, T27N, R66W
(Legal Description)

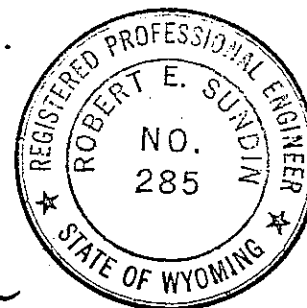
in the County of Platte, in the State of
Wyoming. This permit shall be effective for a period of two (2) years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



July 26, 1979

Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

1947

Permit No. 79-385

Reference: 76-333
75-176R

BURLINGTON NORTH RESUBDIVISION
(Name of Facility)

2-H Ranch Company, c/o Mr. Charles R. Spratt

Buffalo, Wyoming 82834

_____ facility according to the procedures and conditions of the
application No. 79-385 . The facility is located in _____

_____ in the County of Johnson,
in the State of Wyoming. This permit shall be effective for a period of two (2)

years (five (5) years maximum) from the date of issuance of this permit.

The issuance of this permit provides that the Department of Environmental Quality has evaluated and determined that the application meets minimum applicable construction and design standards. The compliance with construction standards and the operation and maintenance of the facility to meet the applicant's engineer's design are the responsibility of the applicant, owner, or operator.

The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements.

Nothing in this permit constitutes an endorsement of the construction or the design of the facility described herein. This permit indicates only that standards of design and construction required by the Environmental Quality Act have been met. The State assumes no liability for, and does not in any way guarantee the performance of, the permittee in the exercise of its activities allowed under this permit. The Permittee understands that it is solely responsible to any third parties for any liability arising from the construction or operation of the facility described herein. By the issuance of this permit, the State does not in any way waive its sovereign immunity.

The permittee shall allow authorized representatives from the Department of Environmental Quality, Water Quality Division, upon the presentation of credentials and

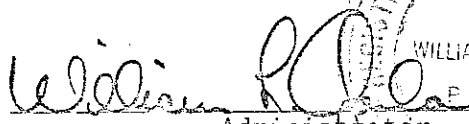
during working hours, to have access to inspect the facilities, at the above location, for the purpose of compliance with the provisions of this construction permit.

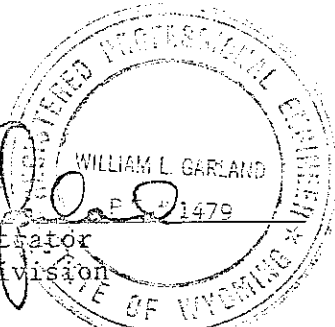
The permittee shall notify representatives from the Department of Environmental Quality, Water Quality Division the day construction commences and give an estimate of completion of this project. The authorized representative in your area can be contacted at the following address: Water Quality Construction Projects Control Officer, State of Wyoming, Department of Environmental Quality, Water Quality Division, 2161 Coffeen Avenue, Suite 301, Sheridan, Wyoming, 82801; telephone 672-6457.

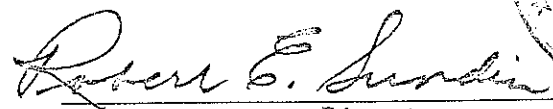
Nothing in this permit shall be construed to preclude the institution of any legal action or relieve the permittee from any responsibilities, liabilities or penalties established pursuant to any applicable State law or regulation.

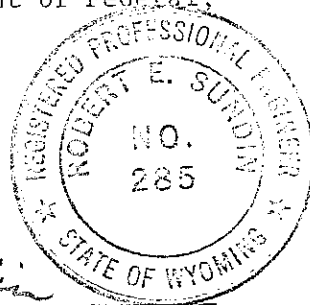
The issuance of this permit does not convey any property rights in either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of Federal, State or local laws or regulations.

AUTHORIZED BY:



William L. Garland
Administrator
Water Quality Division




Robert E. Sundin
Director
Dept. of Environmental Quality


May 28, 1981

Date of Issuance

This permit does not supercede the requirements for obtaining any permit from local agencies.

PERMIT TO CONSTRUCT

☐ New
☒ Renewal
☐ Modified

Permit No. 79-385
Reference 76-333 and 75-176R

BURLINGTON NORTH RESUBDIVISION
(Name of Facility)

This permit hereby authorizes the applicant:

2-H Ranch Company
(Last) (First) (Middle)

c/o Charles R. Spratt
45 North Main Street

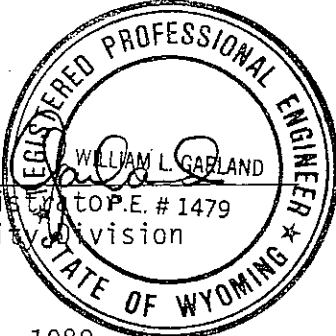
(Street or P.O. Box)

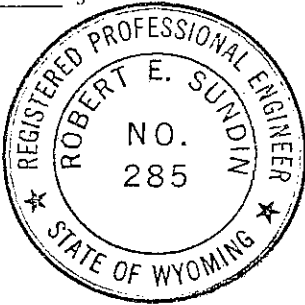
Buffalo, Wyoming 82834
(City) (County) (State)

to construct, install, or modify a water distribution and sewage collection
facility located in Section 27, T.51N., R.82W.
(Legal Description)

in the County of Johnson, in the State of
Wyoming. This permit shall be effective for a period of one (1) years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Admin. Div. P.E. # 1479
Water Quality Division


Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality


July 21, 1980
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

PERMIT TO CONSTRUCT

*Book
17 to 5
4-18-79*

☒ New
☐ Renewal
☐ Modified

Permit No. 79-385
Ref. 76-333
75-176R

BURLINGTON NORTH RESUBDIVISION
(Name of Facility)

This permit hereby authorizes the applicant:

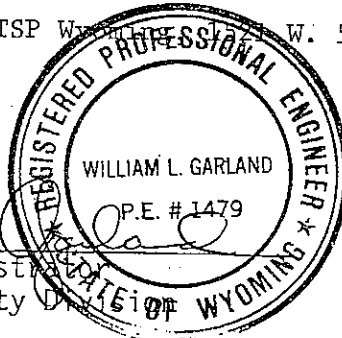
2-H Ranch Company
(Last) (First) (Middle)
c/o Charles R. Spratt
45 N. Main Street
(Street or P.O. Box)
Buffalo, WY 82834
(City) (County) (State)

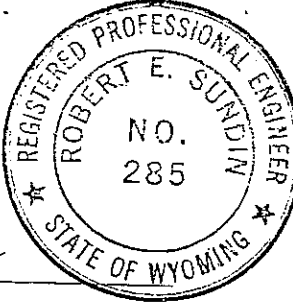
to construct, install, or modify a water distribution and sewage collection
facility located in Section 27, T.51N., R.82W.
(Legal Description)

in the County of Johnson, in the State of
Wyoming. This permit shall be effective for a period of one (1) years
from the date of issuance of this permit not to exceed five (5) years.

cc: Dick Horak, TSP W. 5th Street, Sheridan, WY 82801

AUTHORIZED BY:

William L. Garland
ADMINISTRATOR
Water Quality Division


Robert E. Sundin
DIRECTOR
Wyoming Dept. of Environmental Quality


July 12, 1979
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

M-05
7-19-79

PERMIT TO CONSTRUCT

☐ New
☐ Renewal
☒ Modified

Permit No. 79-386
(ref. 79-101)

WYOBIRD SEWER EXTENSION - GILLETTE
(Name of Facility)

This permit hereby authorizes the applicant:

c/o Bob Timm
Timm & Associates
(Last) (First) (Middle)

P.O. Box 726
(Street or P.O. Box)

Gillette Campbell Wyoming 82716
(City) (County) (State)

to construct, install, or modify a sewage collection
facility located in Section 21, T.50N., R.72W.
(Legal Description)

in the County of Campbell, in the State of
Wyoming. This permit shall be effective for a period of two (2) years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
ADMINISTRATOR
Water Quality Division
REGISTERED PROFESSIONAL ENGINEER
WILLIAM L. GARLAND
PE # 1479
STATE OF WYOMING

Robert E. Surdin
Director
Wyoming Dept. of Environmental Quality
REGISTERED PROFESSIONAL ENGINEER
ROBERT E. SURDIN
NO. 285
STATE OF WYOMING

July 13, 1979
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

cc: Johnson, Fermelia & Crank
P.O. Box 631
Kemmerer, WY 83101

77-1-31-80

PERMIT TO CONSTRUCT

☒ New
☐ Renewal
☐ Modified

Permit No. 79-387RR
(EPA C560115-02)

KEMMERER-DIAMONDVILLE WASTEWATER TREATMENT PLANT
(Name of Facility)

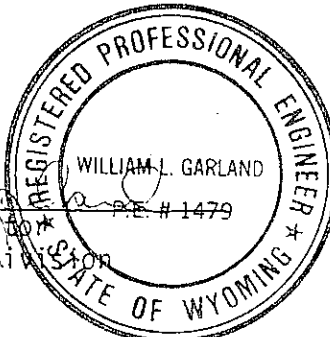
This permit hereby authorizes the applicant:

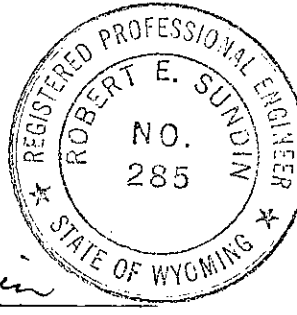
Town of Kemmerer
(Last) (First) (Middle)
P.O. Box 287
(Street or P.O. Box)
Kemmerer, WY 83101
(City) (County) (State)

to construct, install, or modify a sewage treatment facility
facility located in Sec. 13, T21N, R116W
(Legal Description)

in the County of Lincoln, in the State of
Wyoming. This permit shall be effective for a period of two (2) years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
ADMINISTRATOR
Water Quality Division


Robert E. Sundin
DIRECTOR
Wyoming Dept. of Environmental Quality


January 29, 1980
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
933 MAIN STREET,
LANDER, WYOMING, 82520.
(307) 332-3144

PROJECT: Kemmerer-Diamondville Wastewater Treatment Plant
Lincoln County

ENGINEER: Johnson-Fermelia & Crank, Inc.
P.O. Box 631
Kemmerer, Wyoming 83101

OWNER:

WATER QUALITY DIVISION REFERENCE NUMBER: 79-387R

REVIEWING ENGINEER: David W. Hill, P.E.

DATE OF REVIEW: October 1, 1979

ACTION: NOT AUTHORIZED.

COMMENTS: Field Office Comments

Dale,

Below, please find comments that I have generated. Most of these comments are written confirmation of my concerns expressed at our last meeting on September 20.

No attempt has been made to identify detailed construction concerns as previous reviews by the Corps and DEQ-Cheyenne should be sufficient.

1. An emergency bypass from the wet well to the effluent manhole is needed. As we discussed, the use of a flap grate on the discharge should alleviate any potential backup in case of river flooding.
2. The channel immediately upstream of the parshall flume should be without bends to prevent surging or unbalanced flow. It is recommended that the comminutor channel and bypass bar screen channel be switched to accomodate a straight section during normal operations. A straight section of at least ten throat diameters is needed before the flume (ref. "Water Supply and Sewerage" page 457).
3. In free fall situations the diverging section of the parshall flume is not needed. (Ref. "Design of Small Canal Structures," page 244-259, among others). This would provide a small straight section during bypassed flows (around comminutor).

Both 2 and 3 are recommended.

4. The bar spacings in the bypass secondary bar screen should be smaller than the spacings in the primary bar screen.



5. As discussed, an easy method of removing the comminutor is needed.
6. Use an eccentric reducer on the lift pump suction lines instead of a concentric reducer. Air pockets tend to accumulate in concentric reducers. (Ref. "Hydraulic Institute Standards and Pump Handbook," page 11-15.)
7. Some thought should be given to placing the influent and effluent structures on opposite sides of the channel. I have seen short circuiting problems in oval ditches where both the influent and effluent were on the same side of the channel. This is a point to consider only.
8. A positive method of scum removal from the system is needed. At present it appears all scum is recycled back to the aeration basin. As discussed, the use of a scum-grease type trap at the wet well with removal via vacuum truck would be satisfactory.
9. The use of three way product separation clarifiers is recommended for this project (i.e. (1) effluent over weirs, (2) light, young active sludge recycled back to aeration basin, and (3) fast settling old sludge and heavy gritty or non-volatile sludge to waste.) The present design simply recycles the old sludge and heavy gritty sludge back to the wet well. It is questionable if the suction tubes would ever remove this type of sludge effectively. The lack of primary clarifiers to remove the old heavy sludge also dictates three product separation. The use of three product separation would also send heavier, more concentrated sludge to the sludge building.

This all leads to the need for waste sludge pumps and minor piping changes. Some method of waste sludge flow measurement is also needed (i.e. stroke counters, etc.).

10. The use of adjustable aeration tank weirs should be considered with mechanical aerators to help regulate oxygen input (i.e. via modified sluice gate or slide gate arrangement). Recommendation only.
11. The sludge lines must have adequate flushing cocks (i.e. at least two to three inches) and adequate flushing water.
12. Plant needs a Chlorine Institute Ton Cyclinder repair kit.
13. A chlorine leak detector is shown on the plans but I found no mention of one in the specifications. A circuit to an alarm in the control building is needed in addition to an alarm in the chlorine building.
14. Specifications - page 25-11. The oxygen transfer efficiency of each aerator shall be 3.5 pounds per horsepower-hour at standard conditions.

The specification should state a minimum lbs. O_2 /day requirement or BHP for the aerators. ~~My calculations show that the carbonaceous oxidation nitrification oxygen requirements exceed the mixing requirement. If this is correct, dual speed aerators might be considered.~~

*Disregard Carbonaceous Removal
Only required*

REVIEW OF PLANS - NOT AUTHORIZED
KEMMERER-DIAMONDVILLE WASTEWATER TREATMENT PLANT
BY DAVID W. HILL
OCTOBER 1, 1979
E THREE

16. The solids loading rate will dictate clarifier sizing almost always at MLSS greater than 3,000 mg/l. The MLSS of oxidation ditches is usually between 3,000 mg/l and 8,000 mg/l. What is the design MLSS and SLR?
17. Laboratory equipment should include a sludge blanket finder and a microscope.

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION

~~State Office Building~~ Hathaway Bldg.

Cheyenne, Wyoming 82002

PROJECT: Kemmerer-Diamondville Wastewater Treatment Plant, Lincoln Co.

ARCHITECT OR ENGINEER: Johnson, Fermelia & Crank, 722 Cedar Ave.,
Kemmerer, WY 83101

WATER QUALITY DIVISION REFERENCE NUMBER: 79-387

REVIEWING ENGINEER: Tom Hamm *TH Hamm*

DATE OF REVIEW: August 1, 1979

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

General

1. Spare part provisioning has not been addressed.
2. Startup, fine tuning and operator training are not adequately addressed. It could work but would require much coordination and effort.
3. This may not be construed as a final review.
4. Is the 6-12 inches of gravel required under all buildings?
5. The number and location of the proposed building must be resolved before any other details can be ironed out.

Plans

Sheet 3

1. There are too many buildings, spread out too much.
2. Where is the 100 year flood plain.
3. There needs to be a drainage ditch between the oxidation ditch and the hill on the East.
4. Where is the 120 1ø, 220 3ø taken? Are there any transformers other than the power company one?

Sheet 5

1. Need a yard piping plan that normal people can read and understand; too cluttered and complex.
2. If the standby power fails what is the retention time in the collection-interceptor before flooding occurs?
3. There should be an emergency high water over flow from the grit-pump area to the chlorine contact chamber.
4. Water line-sewer line separation not covered in plans or specs, add.

Sheet 6

1. There is no room for expansion.
2. If centralized construction were used, there would be a large savings; also an extensive communications system would not be required.
3. An exterior alarm is required since the man on duty most likely will not be in the control room when an anomaly occurs.

Sheet 7

1. Gratings must be heavier than those used in the Rock Springs plant.
2. How are solids to be removed from the comminutor by pass bar screen? The operator and operation must be more closely addressed.

Sheet 8

1. For comminutor by pass use simple slide gates vice hand wheel type.
2. The float cover well must be insulated. In this climate why not use something less conducive to freezing?

Sheet 11

Clear, unobstructed access must be provided to pumps, motors and valves.

Sheet 12

1. Electrical service for the grit classifier should be from the top.
2. A grit removal plan must be considered in the design to include (a) placing container under classifier, (b) tape container and mobility for collecting grit (c) exterior entry to building must be designed for loading the grit containers.

Sheet 13

The break tank must be on the first level where it cannot flood.

Sheet 14

1. The laboratory space is excessive!
2. The janitor's closet should have a deep sink vice the hose arrangement.
3. Have the handicapped been considered in the design of the control building main floor?

Sheet 16

Basement piping - is there unobstructed access to the pumps and valves?

Sheet 17

1. What is the hot water tank capacity? Since it is not large, is 3Ø 220V the best way to go? *440 volt in another place*
2. The break tank must be on the first level where it will not flood.

Sheet 18

Is brick the most cost effective route, why not block?

Sheet 19

Slope chlorine room floor for drainage.

Sheet 20

Specify the weld class on all welds.

Sheet 21

Recommend more pressure relief valves.

Sheet 22

Will not condone a fixed D.O. Probe. Will require good portable unit. When fixed units become imperative they tend to be forgotten.

Sheet 28

Recommend a splash protector on GOSSDS so the floor will not be splattered, also a drain in the splash area. It appears the design is for the drainage to be out on the floor!

Sheet 31A

No one fixed DO probe.

Sheet 32

Repeat - What is allowable design load for grating? It must be stronger than that used at Rock Springs.

Sheet 35

Need proposed laboratory equipment list.

Sheet 38

1. Show electrical panels with circuit numbers for each building plus master.
2. Show homeruns.

No septage dump station is shown; one is required.

Specifications

- SC-05 - The town can also appoint an inspector, if they desire; a letter to the Engineer with copies to the Construction Superintendent.
- SC-06 - "Wyoming Water Quality Office" should be "Wyoming DEQ, Water Quality Division".
- 3-06 - (1) Add number of samples. Small pours also require samples.
(2) Specifically delineate actions and time frame (5 working days) for any-all samples which do not meet the 28 day requirement.
- 5 - What samples and/or type data is required for precast concrete?
- 12 - Where is grating? Specs 7 or is the note on the plans all there is?
- 21-08 - The Engineer must have an inspector on site at all times. Recommend an Engineer and the City's sewage superintendent, appointed by Mayor, be the inspectors and one must be on site at all times.
- 21-17 - Spell out NEMA Type and Class, all details to meet codes.
- 21-17-d - Motors 3/4hp and larger 208 volt? It seems 440/480 would be required on large units. (A.L.C.T.)
- 21-31 - (1) All welding to be done by a certified welder.

- (2) All welds to have class symbol on drawing. (Repeat)
- 21-32 - Start up training and a certain number days after start up required; so stipulate.
- 21-37-b(ii) - State capacity for water heater.
- 21-37-b(ii)c - 3ø, 60hz, 480 volt is not realistic for a small water heater. (Repeat)
- 22-08 - Electrical sub must coordinate all feedthroughs and sleeves with concrete formers.
- 22 - What is the lighting intensity for each area and are the lights designed so bulbs may be readily replaced?
- 23-05 - An external alarm is required since the operator most likely will be outside the control room/building when an anomaly occurs - Repeat.
- 23-06 - (1) The 225 KVA standby power system will power how much of the plant?
(2) With the return of commercial power, the standby system should not revert to commercial power until xx minutes of good steady power are experienced.
- 23-06.J - Where is the fuel tank located? With periodic one hour testing of the standby system, the 8 hour fuel tank would normally only be half full; hence, the tank should be larger.
- 23-10 - Repeat - Cannot condone the built in DO system.
- 24-23.d.i - State test pressure.
- 24-23.d.ii (1) All intraplant piping must be pressure tested. What is the connotation of "sewer pipeline" as used in this sub-paragraph?
(2) Manholes also.
- 25-09.a - Delineate break tank requirements.
- 30 - Section 30 contains all 29xx -, misnumbered.
- 29.h - Personnel access gates should be included on periphery fence where required.
- 30 - (1) Include water and wastewater line horizontal and vertical separation requirements along with the sleeving requirements.
(2) Add testing requirements.
- 31 - Require proposed laboratory equipment list plus a list of ancillary furnishings and equipment.

cc: Jasper Freese
2506 6th Avenue
Greeley, CO 80631

Back
M-7-19-79

PERMIT TO CONSTRUCT

☒ New

☐ Renewal

Permit No. 79-388

☐ Modified

Gunter Townhouses

(Name of Facility)

This permit hereby authorizes the applicant:

Casper Board of Public Utilities

(Last)

(First)

(Middle)

200 N. David

(Street or P.O. Box)

Casper,

Natrona,

WY 82601

(City)

(County)

(State)

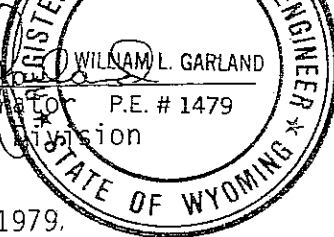
to construct, install, or modify a municipal distribution and collection system
facility located in the City of Casper - Block 14, East Gate II Subdivision
(Legal Description)

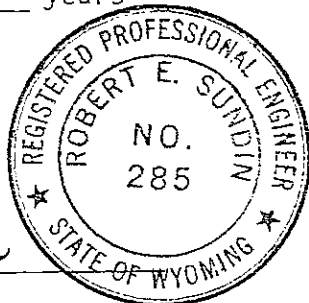
in the County of Natrona, in the State of

Wyoming. This permit shall be effective for a period of two (2) years

from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:


William L. Garland
Administrator P.E. # 1479
Water Quality Division


Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality

July 18, 1979,

Date of Issuance.

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

This permit does not supercede the requirements for obtaining a Septic Tank Permit from Natrona County Health Department.

cc: Bob Thompson
P.O. Box 1006
Casper, WY 82601

Book
M-7-18-79

PERMIT TO CONSTRUCT

☐ New
☐ Renewal
☒ Modified

Permit No. 79-389

Mark Phillips Property
(Name of Facility)


This permit hereby authorizes the applicant:

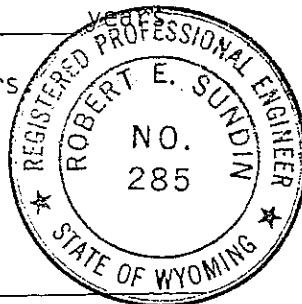
Casper Board of Public Utilities
(Last) (First) (Middle)
200 N. David
(Street or P.O. Box)
Casper, Natrona, WY 82601
(City) (County) (State)

to construct, install, or modify a municipal collection system
facility located in City of Casper (Richard Street)
(Legal Description)

in the County of Natrona, in the State of
Wyoming. This permit shall be effective for a period of two (2) years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:


William L. Garland
Administrator P.E. # 1479
Water Quality Division


Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality

July 12, 1979
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

This permit does not supercede the requirements for obtaining a Septic Tank Permit from Natrona County Health Department.

1140
15-5-79

PERMIT TO CONSTRUCT

☒ New
☐ Renewal
☐ Modified

Permit No. 79-390RR

Masterson Mobile Home Park
(Name of Facility)

This permit hereby authorizes the applicant:

Masterson, James
(Last) (First) (Middle)

P.O. Box 388
(Street or P.O. Box)

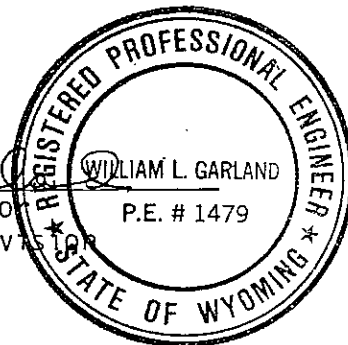
Basin, Wyoming 82410
(City) (County) (State)

to construct, install, or modify a water distribution, sewage collection
facility located in Sec. 21, T. 51 N., R. 93 W., Town of Basin
(Legal Description)

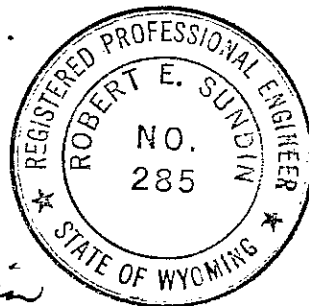
in the County of Big Horn, in the State of
Wyoming. This permit shall be effective for a period of two years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



September 28, 1979
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."


REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
933 MAIN STREET,
LANDER, WYOMING, 82520.
(307) 332-3144

PROJECT: Masterson Mobile Home Park

ENGINEER: John W. Donnell
1701 Big Horn Ave.
Worland, WY 82401
ATTN: Nick Wolfrum
OWNER: James Masterson
P.O. Box 388
Basin, WY 82410

WATER QUALITY DIVISION REFERENCE NUMBER: 79-390R

REVIEWING ENGINEER: Rick Engelmann 

DATE OF REVIEW: September 26, 1979

ACTION: NOT AUTHORIZED.

COMMENTS:

We still need a specification for maximum allowable sewer deflection and testing for same.

REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY
WATER QUALITY DIVISION
933 MAIN STREET,
LANDER, WYOMING, 82520.
(307) 332-3144

PROJECT: MASTERSON MOBILE HOME PARK

ENGINEER: John W. Donnell
1701 Bighorn Ave.
Worland, WY 82401

OWNER: James Masterson
P. O. Box 388
Basin, WY 82410

WATER QUALITY DIVISION REFERENCE NUMBER: 79-390

REVIEWING ENGINEER: Rick Engelmann



DATE OF REVIEW: July 31, 1979

ACTION: NOT AUTHORIZED.

COMMENTS:

WATER

1. The hose connection in the 55 gallon drum must be above grade.
2. We need the following:
 - a. Complete material and installation spec.s for the water line & service connections - bedding, backfill, etc.
 - b. Specifications for water line pressure testing and disinfection procedures that conform with AWWA C601-68.
 - c. This depth of cover for the water lines.
 - d. Drainholes and drain rock for the 55 gallon drums so that they cannot fill with water. The drum should be set high enough so that runoff water cannot enter, or at least 4" above grade.
 - e. Protection for the riser pipe at the surface.

SEWER

1. We would prefer a single piece wye branch for the connections to the sewer line. If a saddle is being used, please specify. It should be gasketed with stainless steel bands.

2. We need the following:

- a. Complete material and installation spec.s for the sewer line, including bedding, backfill, etc.
- b. Specifications for maximum infiltration/exfiltration and testing for same.
- c. Specification for alignment and maximum permissible deflection, plus the testing for these.

10405
7-19-79

PERMIT TO CONSTRUCT

☐ New
☐ Renewal
☒ Modified

Permit No. 79-391 (ref. 79-172)

TOWN OF SUNDANCE WATER DISTRIBUTION SYSTEM MODIFICATION
(Name of Facility)

This permit hereby authorizes the applicant:

Town of Sundance Attention: Kenny Glover
(Last) (First) (Middle)

Town Hall
(Street or P.O. Box)

Sundance Crook Wyoming 82729
(City) (County) (State)

to construct, install, or modify a water line

facility located in Section 13, T.51N., R.63W.
(Legal Description)

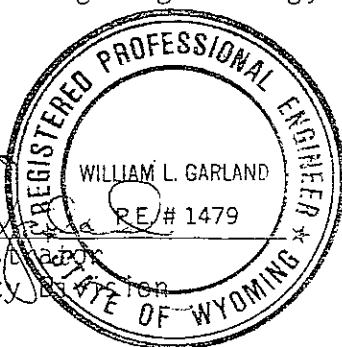
in the County of Crook, in the State of

Wyoming. This permit shall be effective for a period of two (2) years

from the date of issuance of this permit not to exceed five (5) years.

cc: Ralph Goodson, Bearlodge Engineering, Box 125, Sundance, WY 82729

AUTHORIZED BY:


William L. Garland
Adminis. Director
Water Quality Division
STATE OF WYOMING


Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality

July 19, 1979

Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

cc: Rob Roy Logan
Box 494
Rawlins, WY 82301

See
M-9-5-79

PERMIT TO CONSTRUCT

☒ New

Permit No. 79-392R

☐ Renewal

Ref. No. 78-177MR

☐ Modified

WCCM Trailer Court Off-Site

(Name of Facility)

This permit hereby authorizes the applicant:

State Board of Charities & Reform

(Last)

(First)

(Middle)

ATTN: Bruce Murray
Capitol Building

(Street or P.O. Box)

Cheyenne,

(City)

(County)

WY 82002

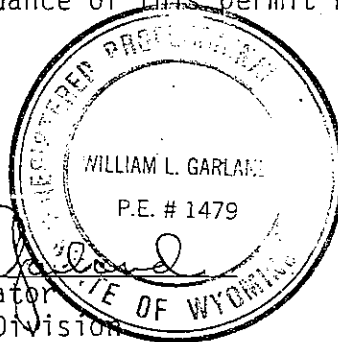
(State)

to construct, install, or modify a municipal water distribution & sewage collection
facility located in Sec. 27 & 28, T21N, R87W
(Legal Description)

in the County of Carbon, in the State of
Wyoming. This permit shall be effective for a period of two (2) years
from the date of issuance of this permit not to exceed five (5) years.

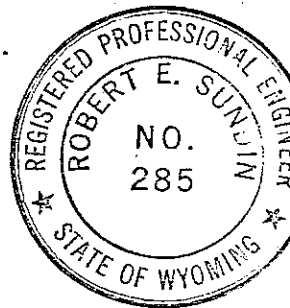
AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin

Director
Wyoming Dept. of Environmental Quality



August 29, 1979

Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

Book
M-7-12-79

REVIEW OF PLANS AND SPECIFICATIONS

WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION

~~XXXXXXXXXXXXXXXXXXXX~~ Hathaway Bldg.
Cheyenne, Wyoming 82002

PROJECT: WCCM Trailer Camp Site, Rawlins, WY, Carbon Co.

ARCHITECT OR ENGINEER: Rob Roy Logan, R&E Engineering, Box 494, Rawlins, WY 82301

WATER QUALITY DIVISION REFERENCE NUMBER: 79-392

REVIEWING ENGINEER: *Robert H. Pinther*
Robert H. Pinther, M.S., P.E.

DATE OF REVIEW: July 11, 1979

ACTION: NOT AUTHORIZED FOR CONSTRUCTION

COMMENTS:

As per our conference on July 11, 1979 in this office with Mr. Foster, Contract Manager for this project, the plans will be revised to comply with the comments set forth below and two (2) copies of the revised plans will be submitted to this office prior to the start of any construction to be covered by revisions of the plans.

1. The sewer service riser at each trailer space shall terminate at least 4 inches above ground level.
2. The water service riser at each trailer site shall terminate at least 4 inches above ground level.
3. Provide additional frost proofing and/or heat at the water service risers and a method of removing water from the risers (stop and waste valves not approved) when not in service.
4. Eliminate the dead end located at the far end of the middle section of the water distribution systems by providing a flushing hydrant at the dead end or, preferably, by looping the system to eliminate the dead end.
5. Provide at least 5 feet of earth cover to prevent freezing at the point where the 8 inch main sewer crosses Coal Draw.
6. Provide a horizontal separation of at least 10 feet between sewer manhole #2 and the 6" water main which connects the camp site water distribution system to the "main 10" water line" which serves the WCCM site.
7. Specify the pressure rating class of the 6" C.I. water mains.

WCCM Trailer Camp Site
DEQ Ref. No. 79-392
July 11, 1979
Page two

8. Specify on the first sheet of the plans that the specifications for this construction are the specifications for the Wyoming State Penitentiary, Water & Sewer Off-Site Utilities, WCCM Site bearing our Water Quality Reference Number 78-177M.
9. Submit in duplicate an application for a permit to construct.

cc: Bruce Murray
Board of Charities & Reform
Hathaway Bldg.
Cheyenne, WY 82002

M 406
7-27-79

PERMIT TO CONSTRUCT

☒ New
☐ Renewal
☐ Modified

Permit No. 79-393

RAINBOW RESOURCES, INC., # 1-3 FEDERAL GAS WELL
(Name of Facility)

This permit hereby authorizes the applicant:

RAINBOW RESOURCES INC.

(Last)

(First)

(Middle)

305 GOODSTEIN BLDG

(Street or P.O. Box)

CASPER

(City)

WY

(County)

82601

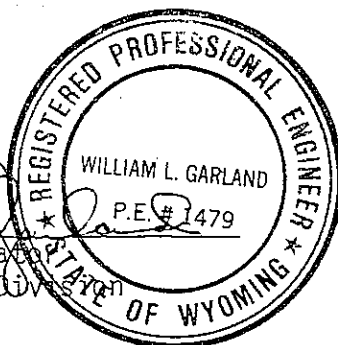
(State)

to construct, install, or modify a septic tank - leach field
facility located in Sec. 3, T. 26N, R. 103W
(Legal Description)

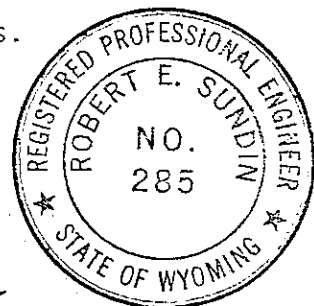
in the County of SWEETWATER, in the State of
Wyoming. This permit shall be effective for a period of TWO years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



JULY 17, 1979

Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

cc: Ed S. Rate
P.O. Box 930
Casper, WY 82602

ack
7-19-79

PERMIT TO CONSTRUCT

☒ New

☐ Renewal

Permit No. 79-394

☐ Modified

Sweetwater Builders

(Name of Facility)

This permit hereby authorizes the applicant:

Sweetwater Builders

(Last)

(First)

(Middle)

1223 E. 8th Street

(Street or P.O. Box)

Casper,

Natrona,

WY 82602

(City)

(County)

(State)

to construct, install, or modify a small subsurface disposal

facility located in Sec. 26, T33N, R80W, Lot #23, Skyline Ranches #3

(Legal Description)

in the County of Natrona, in the State of

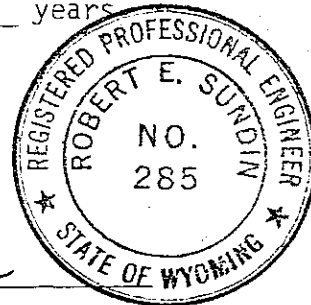
Wyoming. This permit shall be effective for a period of two (2) years

from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division
STATE OF WYOMING

Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



July 18, 1979

Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

This permit does not supercede the requirements for obtaining a Septic Tank Permit from Natrona County Health Department.

cc: Frank Luers
501 N. Sun
Casper, WY 82601

Book
R-5-7-79

PERMIT TO CONSTRUCT

☒ New
☐ Renewal
☐ Modified

Permit No. 79-395

North Platte Park Commercial Area
(Name of Facility)

This permit hereby authorizes the applicant:

Casper Board of Public Utilities

(Last) (First) (Middle)

200 N. David

(Street or P.O. Box)

Casper, Natrona, WY 82601

(City) (County) (State)

to construct, install, or modify a municipal distribution & collection system

facility located in City of Casper

(Legal Description)

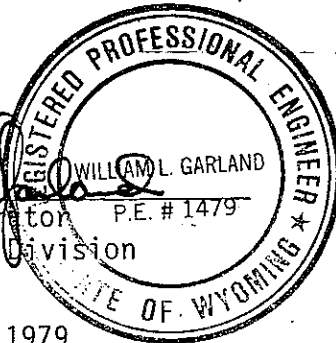
in the County of Natrona, in the State of

Wyoming. This permit shall be effective for a period of two (2) years

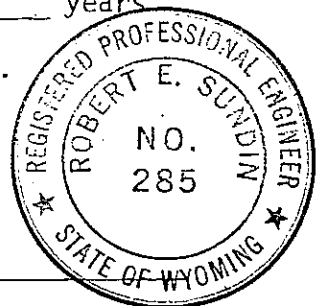
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division
P.E. # 1479



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



August 2, 1979

Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

This permit does not supercede the requirements for obtaining a Septic Tank Permit from Natrona County Health Department.

cc: Engineering Associates, Inc.

P. O. Box 1539

Cody, WY 82414

ATTN: Roger Jacobson PERMIT TO CONSTRUCT

M 40
8-7-79

☒ New

Permit No. 79-396R

☐ Renewal

☐ Modified

TOWN OF MARBLETON

(Name of Facility)

This permit hereby authorizes the applicant:

TOWN OF MARBLETON

(Last)

(First)

(Middle)

P. O. BOX 611

(Street or P.O. Box)

BIG PINEY

(City)

WY

(County)

83113

(State)

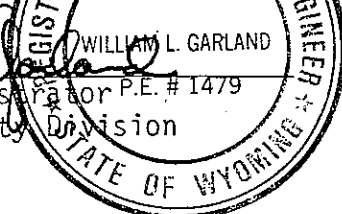
to construct, install, or modify a wastewater collection line

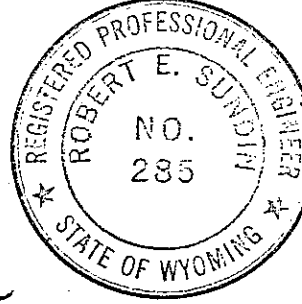
facility located in Sec. 30, T. 30N., R. 111W

(Legal Description)

in the County of SUBLETTE, in the State of
Wyoming. This permit shall be effective for a period of TWO years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator P.E. # 1479
Water Quality Division


Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality


August 1, 1979
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

REVIEW OF PLANS AND SPECIFICATIONS
WYOMING DEPARTMENT OF ENVIRONMENTAL QUALITY

WATER QUALITY DIVISION
933 MAIN STREET,
LANDER, WYOMING, 82520.

(307) 332-3144



PROJECT: TOWN OF MARBLETON, WYOMING

ENGINEER: ROGER L. JACOBSON, P.E.
P. O. BOX 1539
CODY, WY 82414

OWNER: TOWN OF MARBLETON
P. O. BOX 611
BIG PINEY, WY 83113

WATER QUALITY DIVISION REFERENCE NUMBER: 79-396

REVIEWING ENGINEER: DAVID W. HILL

DATE OF REVIEW: JULY 20, 1979

ACTION: NOT AUTHORIZED.

COMMENTS:

1. Deflection testing specifications are needed



Department of Environmental Quality
Water Quality Division

933 MAIN

LANDER, WYOMING 82520

TELEPHONE 307-332-3047 ³¹⁴⁴

July 16, 1979

Johnson-Fermelia & Crank, Inc.
P. O. Box 1633
Rock Springs, WY 82901
ATTN: Wayne Johnson, P.E.

Re: Amoco Office and Bunk Trailers
Septic Tank - Leach Field 79-397

Ref. 76-104AR

Dear Mr. Johnson:

I have reviewed the plans and revised design loadings. The information indicates the existing leach field should handle the additional loading from the office building.

No "Permit to Construct" will be needed since no new construction or modification will take place.

I appreciate the opportunity to review the project.

Sincerely,

David W. Hill
District Supervisor
District III

DWH/dll



*original
permitted
8-2-79*

11-30-8
8-15-79

PERMIT TO CONSTRUCT

☒ New
☐ Renewal.
☐ Modified

Permit No. 79-398

KATTENHORN SUBDIVISION NO. 2 WATER DISTRIBUTION

(Name of Facility)

AND SEWAGE COLLECTION

This permit hereby authorizes the applicant:

Schmidt Richard
(Last) (First) (Middle)

522 Avenue F

(Street or P.O. Box)

Powell
(City)

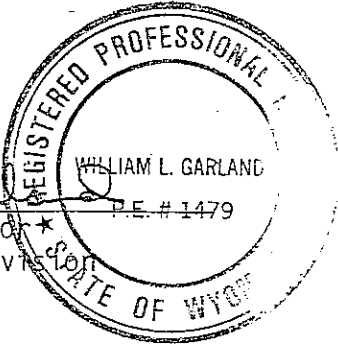
WY
(County)

82435
(State)

to construct, install, or modify a water distribution and sewage collection
facility located in Tract 74c, T. 55N, R. 99W
(Legal Description)

in the County of PARK, in the State of
Wyoming. This permit shall be effective for a period of TWO years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division


Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality


August 1, 1979
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."



Department of Environmental Quality
Water Quality Division

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

October 26, 1981

C.E. Wolff
Silver King Mines, Inc.
P.O. Box 560
Casper, WY 82602-0560

Dear Mr. Wolff:

Water Quality Division recognizes that Silver King Mines, Inc. has taken over the operation of facilities previously permitted by United Nuclear Corporation. The Water Quality Division permit numbers are listed below:

- 79-399R - North Morton Ranch Golden Eagle Mine
- 78-85RR - South Morton Ranch Mine
- 78-86R - North Morton Ranch
- 76-377 - South Morton Ranch
- 75-191 - North Morton Sanitation Facility

Sincerely,

A handwritten signature in dark ink, appearing to read "Jake Strohman".

Jake Strohman
Engineering Control Supervisor

JS/nc

cc: Tom Mueller, DEQ/WQD, Sheridan

THE STATE



OF WYOMING

ED HERSCHLER
GOVERNOR

Department of Environmental Quality
Water Quality Division

1111 EAST LINCOLNWAY

CHEYENNE, WYOMING 82002

TELEPHONE 307 777-7781

October 26, 1981

C.E. Wolff
Silver King Mines, Inc.
P.O. Box 560
Casper, WY 82602-0560

Dear Mr. Wolff:

Water Quality Division recognizes that Silver King Mines, Inc. has taken over the operation of facilities previously permitted by United Nuclear Corporation. The Water Quality Division permit numbers are listed below:

- 79-399R - North Morton Ranch Golden Eagle Mine
- 78-85RR - South Morton Ranch Mine
- 78-86R - North Morton Ranch
- 76-377 - South Morton Ranch
- 75-191 - North Morton Sanitation Facility

Sincerely,

A handwritten signature in cursive script, appearing to read "Jake Strohman".

Jake Strohman
Engineering Control Supervisor

JS/nc

cc: Tom Mueller, DEQ/WQD, Sheridan



Silver King Mines, Inc.

322 X187X8EOLN7X8A8X8B00G
8X0TX8A8E8X8TX8X8A8X8B01X1
(80TX82X8392X

P. O. Box 560
Casper, Wyoming
82602-0560

September 21, 1981

DEPARTMENT OF ENVIRONMENTAL QUALITY
Water Quality Division
1111 East Lincolnway
Cheyenne, Wyoming 82002

Attn: Mr. William L. Garland
Administrator

RE: Permit Transfer Request
Permit No. 79-399R

Dear Mr. Garland:

Silver King Mines, Inc. hereby declares that it is the new permanent operator of the Morton Ranch Project located north of Douglas, Converse County, Wyoming.

Silver King Mines, Inc. has reviewed and hereby adopts the original Permit No. 79-399R issued to United Nuclear Corporation, Mining and Milling Division on October 16, 1979; and hereby agrees to operate in accordance with the described plans; comply with all the terms and conditions; and perform all obligations of said permit (copy attached).

We trust this information will meet your requirements. Please advise at your earliest convenience if additional information is desired.

Silver King Mines, Inc. will comply with all rules and regulations of the Water Quality Division and looks forward to a long lasting cooperative relationship. We request the transfer to be effective October 1, 1981.

Very truly yours,

C. E. Wolff
Resident Manager
Morton Ranch Project

CEW:meo

Attachment

cc: R. M. Caywood
P. A. Crowell
R. L. Morley
R. J. Mullin
L. L. Snell
R. E. Sundin (DEQ)
M. R. Central File
A. W. Woods

UNITED NUCLEAR CORP.

PERMIT TO CONSTRUCT

☒ New

☐ Renewal

☐ Modified

OCT 24 1979

Permit No. 79-399R

(Ref. 77-213R)

MINING & MILLING DIV.
CASPER, WYOMING

NORTH MORTON RANCH GOLDEN EAGLE MINE

(Name of Facility)

This permit hereby authorizes the applicant:

United Nuclear Corporation, Mining and Milling Division
(Last) (First) (Middle)

P.O. Box 2996

(Street or P.O. Box)

Casper, Wyoming 82602

(City)

(County)

(State)

to construct, install, or modify a wastewater treatment

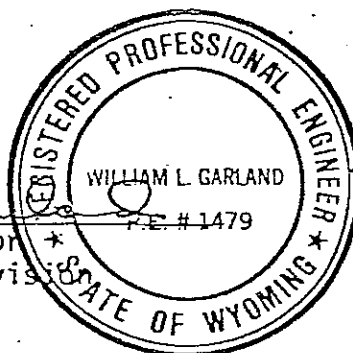
facility located in Section 14, T.36N., R.73W.

(Legal Description)

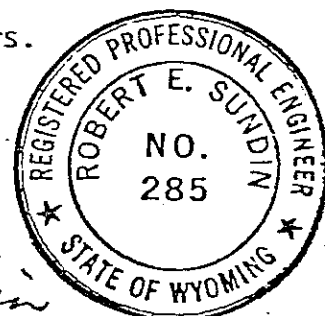
in the County of Converse, in the State of Wyoming. This permit shall be effective for a period of two (2) years from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



October 16, 1979

Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

M405
10-22-79

PERMIT TO CONSTRUCT

☒ New
☐ Renewal
☐ Modified

Permit No. 79-399R
(Ref. 77-213R)

NORTH MORTON RANCH GOLDEN EAGLE MINE
(Name of Facility)

This permit hereby authorizes the applicant:

United Nuclear Corporation, Mining and Milling Division
(Last) (First) (Middle)

P.O. Box 2996
(Street or P.O. Box)

Casper, Wyoming 82602
(City) (County) (State)

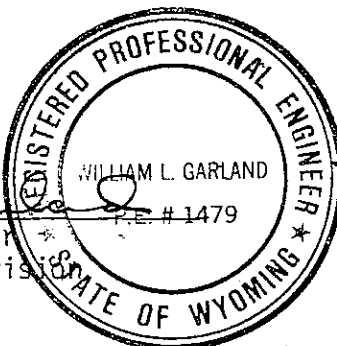
to construct, install, or modify a wastewater treatment

facility located in Section 14, T.36N., R.73W.
(Legal Description)

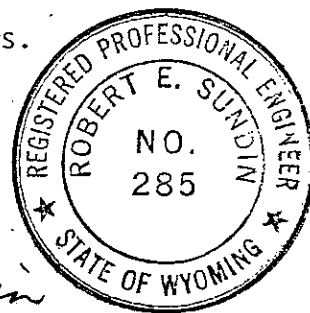
in the County of Converse, in the State of
Wyoming. This permit shall be effective for a period of two (2) years
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



October 16, 1979
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."

cc: Mr. Paul Anderson
Kerr-McGee Coal Corporation
Caller Box 3014
Gillette, Wyoming 82716

PERMIT TO CONSTRUCT

11-202
9-5-79

☒ New

Permit No. 79-400

☐ Renewal

☐ Modified

KERR-McGEE COAL CORPORATION'S CLOVIS POINT MINE

(Name of Facility)

This permit hereby authorizes the applicant:

Attention: Mr. Robert Mitchell

Kerr-McGee Coal Corporation

(Last)

(First)

(Middle)

Kerr-McGee Center, T2202

(Street or P.O. Box)

Oklahoma City, Oklahoma 73125

(City)

(County)

(State)

to construct, install, or modify a coal crushing storage and loadout

facility located in Section 16, T.50N., R.71W.

(Legal Description)

in the County of Campbell, in the State of

Wyoming. This permit shall be effective for a period of two (2) years

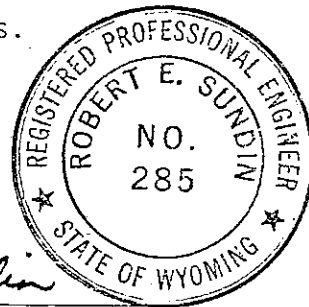
from the date of issuance of this permit not to exceed five (5) years.

AUTHORIZED BY:

William L. Garland
Administrator
Water Quality Division



Robert E. Sundin
Director
Wyoming Dept. of Environmental Quality



August 27, 1979
Date of Issuance

"The authority to construct granted by this permit does not mean or imply that the Wyoming Department of Environmental Quality guarantees or insures that the permitted facility, when constructed, will meet applicable discharge permit conditions or other effluent or operational requirements."